

information bulletin

Volume 10, Number 3

June 1979



Western Association of Map Libraries

*"... to encourage high standards in every phase of organization
and administration of map libraries..."*

Department of Geography
University of California
Berkeley, CA 94720

The Information Bulletin is published at Santa Cruz, California, three times per year by the Western Association of Map Libraries, but opinions expressed herein do not necessarily reflect an official position of WAML.

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WESTERN ASSOCIATION OF MAP LIBRARIES INFORMATION BULLETIN

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EDITOR'S MESSAGE

Review Editor Appointed

I am very pleased to announce the appointment of a Review Editor of the Information Bulletin: Sandra Lamprecht, Map and Geography Librarian, California State University, Long Beach.

Sandy has, in addition to being a frequent contributor to this Journal, served other publications as a reviewer. I feel quite fortunate, and I am confident that her leadership will benefit each of you. It has been my hope for a long time that our review section of books and atlases could be substantially improved in quantity and quality. Whereas we have had many fine contributions from reviewers, I have provided far more than an Editor should. Furthermore, there are many items that have been ignored.

Guidelines for reviewers are being developed by Sandra, and once reviewers have been identified the process from solicitation of publishers to solicitation of the reviews will be entirely coordinated by her.

All interested WAML Members and Information Bulletin readers are invited to send a résumé and qualifications, and an indication of areas of interest, directly to:

Sandra Lamprecht
Map & Geography Librarian
The Library
California State University
Long Beach, California 90840

NMwana To Be Expanded

New Mapping of Western North America has been in need of a rejuvenated effort. I am convinced that there are many new maps being produced within our WAML Region that have escaped our attention, simply because we are not taking the initiative to report.

Criteria and procedures for Contributions to NMwana have been developed as follows:

1. Report maps depicting areas within the WAML Region.
2. Report maps that have been published since 1975.
3. Emphasize maps produced by relatively unknown publishers or non-commercial sources; i.e., maps produced for in-house use, or community promotional material including Chambers of Commerce. NOTE: Do not report USGS maps that appear in its monthly list of New Publications.

It is my hope that there will be at least one reporter for each State and Province within the WAML Region.

Volunteers are invited to contact The Editor immediately,

so that a supply of cards (shown below) can be forwarded. By the time the next issue is published, it is my hope that this important feature will have a new life-blood.

When ever a new map comes to your attention, especially one produced within your own State or Province - or one depicting your own State or Province - just fill-out a card and send it to the Editor. YOUR CONTRIBUTION WILL BE ACKNOWLEDGED IN PRINT.

Deadlines for submitting Contributions to NMWNA will be the same as for other copy: Issue No. 1 - October 1st; Issue No. 2 - February 1st; Issue No. 3 - May 1st. Contributors may, however, choose to send Contributions individually as they come to your attention, or batch all Contributions and send them together to meet the deadline.

The cards depicted below indicate the essential data that will be included; however, more extensive annotations are welcome and will be reported.

CONTRIBUTION TO NEW MAPPING OF WESTERN NORTH AMERICA	
1.	_____
	<i>author or authority responsible for content</i>
2.	_____
	<i>title (or supply title representing area)</i>
3.	_____
	<i>place of publication / date of publication</i>
4.	_____
	<i>name and address of publisher or source</i>
	<i>include Postal Code & Phone Number as available</i>
5.	_____
	<i>cm. size (height x width)</i>
6.	1: _____
	<i>scale</i>
7.	_____
	<i>price or "Free" or "Not Free"</i>
8.	_____
	<i>remarks</i>
	<i>if remarks are extensive, please submit a separate</i>

	<i>sheet with details</i>
9.	_____
	<i>your name</i>

DESIGN FOR COMBINING A MAP ROOM WITH
A REMOTE SENSING/CARTOGRAPHIC LABORATORY

by

Larry G. Carver
Head, Map & Imagery Collections
University Library
University of California
Santa Barbara

Remote sensing materials have rapidly become a resource needed by many campus researchers. Deciding how we could provide adequately for the use of aerial photography and scanned imagery was the task that faced us at the UCSB Map Library during the initial planning phases for construction of a new library building. The design that evolved for bringing together maps, imagery, and equipment necessary for their effective use has proven to be a success. This design is described briefly here for those who may be interested in how we have dealt with this new type of research material.

This past year, the library at the University of California, Santa Barbara opened a remote sensing laboratory in conjunction with its 400,000+ collection of maps and imagery/aerial photographs. The combining of library collections with a centralized remote sensing laboratory for the multi-disciplinary use of the materials is believed to be unique among public institutions in the United States. The highlights of the Imagery Laboratory, the Map Room, the specialized remote sensing/cartographic equipment, and the materials contained in our collections are described in the following paragraphs.

Most labs are set up to perform a specific research or teaching function, oriented towards a specific discipline or academic department. Because of the broad inter-disciplinary appeal of cartographic and remote sensing materials and equipment, and because of the enormous expense of proliferating and maintaining these kinds of items in several departments, this unit was generated within the campus library to centralize and combine the collections of maps and imagery with the viewing, interpretation, and data transfer equipment.

It is not unusual for a library to accumulate both maps and imagery; what is unusual in this library unit is the high level of data manipulation that can be performed in the laboratory, the consistent collections development effort to create map, atlas, and imagery collections that complement each other, and having all the collections and equipment located within the same department so they can be used together. Another feature of this unit is the broad spectrum of services that are available to all library patrons, whether they are from the University, other governmental agencies, or the general public. These services range from advising patrons on the availability and cost of materials to providing use of and training on state-of-the-art equipment for the viewing, interpreting, and transferring of data on maps and imagery. One of the important design features of the facility is its flexibility in being able to accommodate an entire class, a workshop, or an individual user with equal ease.

THE COLLECTIONS

The Map & Imagery Library contains the following materials in its collections: maps, imagery, atlases, related reference books, and vendor catalogs.

The Map Collection consists of 227,000 sheets, is worldwide in scope, and is multi-disciplinary. The geographic areas of emphasis are North America (with primary interest in the U.S. and Mexico), Oceans, Central and South America, and Europe. The emphasized subjects are topography, the physical sciences (especially geology, soils, and vegetation), bathymetry including nautical charts, land use, city plans, and general overviews, such as nationally produced geographic maps of a country. In addition to map sheets, this collection also contains the texts which accompany many of the maps.

The Imagery Collection contains 185,000 frames of imagery including both aerial photographs and scanned images. California is the primary area of interest with the following sub-areas emphasized: the counties of Santa Barbara, Ventura, and San Luis Obispo; the lower Central Valley; and the coastal areas. The majority of the formats are: (1) NASA high/medium altitude color infrared and high resolution black & white positive transparencies, (2) low altitude color and black & white prints and positive transparencies, (3) photography and scanned imagery from the following satellites: Landsat, Skylab, NOAA, Apollo, & Gemini, (4) photo indexes consisting of photo-mosaics, flight lines, and NASA Flight Summary Reports, and, (5) USGS microform cumulations.

The Reference Book Collections are made up of atlases (both general and thematic, with an emphasis on national, state, and ocean atlases), gazetteers, map bibliographies, and geographical and physical science dictionaries.

The Vendor Files contain information on approximately 4000 publishers, producers, and distributors of maps, imagery and atlases. The Vendor Material File contains the vendor catalogs, price lists, and publication announcements which are used by patrons and staff to determine availability of materials, ordering procedures, price information, and bibliographic descriptions. The Vendor Address File is a listing of the addresses for these vendors along with the last date we sent or received an item from that address. It also indicates if the vendor has stopped publishing or uses another distributor. Both of these files are controlled by a Vendor Authority File which contains extensive cross references for variant names, sub-units of corporate bodies, and multi-country distributors.

IMAGERY LABORATORY DESIGN

The Lab consists of three rooms, the Imagery Storage Room, the Main Equipment Room, and the Light-tight Room. The Imagery Storage Room is designed to accommodate imagery and imagery indexes under controlled climate conditions of 60 degrees temperature F. and 50 percent humidity. The room will hold approximately 500,000 images. The Light-tight Room is used for projection instruments which need darkness to maximize their capabilities. Examples of these instruments are the Map-O-Graph and the Mini Addcol, an additive color viewer. The Main Equipment Room has independent lighting, climate and electrical circuit controls. It has 70-feet of sliding blackboard/display panels, overhead lights balanced to both 5000K and 7500K color temperature, and a nine-foot wall-mounted projection screen. The Lab has patron seating space for 36 at lab positions or for 72 when used as a classroom or workshop area.

MAP ROOM FEATURES

The Map Room is a separate, large room which adjoins the Imagery Lab. It has 100 stacks of 3-high Hamilton 3J15 map cases, 24 five-drawer broadside files for the folded materials, 60 feet of 18-inch wide, ceiling-high atlas shelves for rare, easily damaged, or heavily used reference materials, and 88 feet of map railing attached to the walls for large, oversized maps. There is also an 8' x 36' patron work table which seats 36. Within the Map Room is a separate 500 sq.ft. staff work area where all of the processing functions are performed.

SPECIALIZED EQUIPMENT

The Imagery Lab contains state-of-the-art viewing, interpretation, and data transfer equipment. The instruments can be divided into three types. The first type includes those which are used for viewing imagery at various levels of magnification in either a monocular or stereoscopic mode to enable a user to identify selected features and/or to observe changes in those features, their relationship, or their orientation over a selected time span. The second group is comprised of instruments which are designed for the generating of original works (e.g., a tracing, drawing, graph, photograph, map, etc.) or for the transferring of selected information from one item to another (e.g., from a photograph to a map or vice versa, or from one map to another of a differing scale). The third type includes support items which can be used for drawing or measuring the gathered data. As of this writing, no digital processing can be performed in this unit. A listing of the major pieces of equipment in the Lab, along with their general uses, follows this text.

USE OF FACILITY IS ENCOURAGED

The growth of the collections and the Map & Imagery Library reflects the University's changing departmental needs and programs. The traditional heavy users of maps and aerial photographs (i.e., people from the Geography, Geology, History, and Political Science departments) have already been joined by Environmental Studies, Anthropology, Biology, and Art - in short, a full spectrum of campus interests. As the capabilities of the facility have become known, the use by researchers from private industry and governmental agencies from all over California has steadily increased.

Our materials are non-circulating and our users are helped on a first come, first served basis; however, appointments to discuss individual needs are welcomed and advisable. There is no charge to anyone, including the general public, for the use of the equipment or materials; however, prior certification by our staff on the lab instruments is required before use. Appointments for this training should be made ahead of time. Tours and workshop sessions can be made available to groups if arrangements are made in advance. Anyone interested in more detail on our unit or who would like to arrange for a tour should contact: Larry Carver, Map & Imagery Collections, University of California, Santa Barbara, CA 93106, telephone (805) 961-4049 or 961-2779.

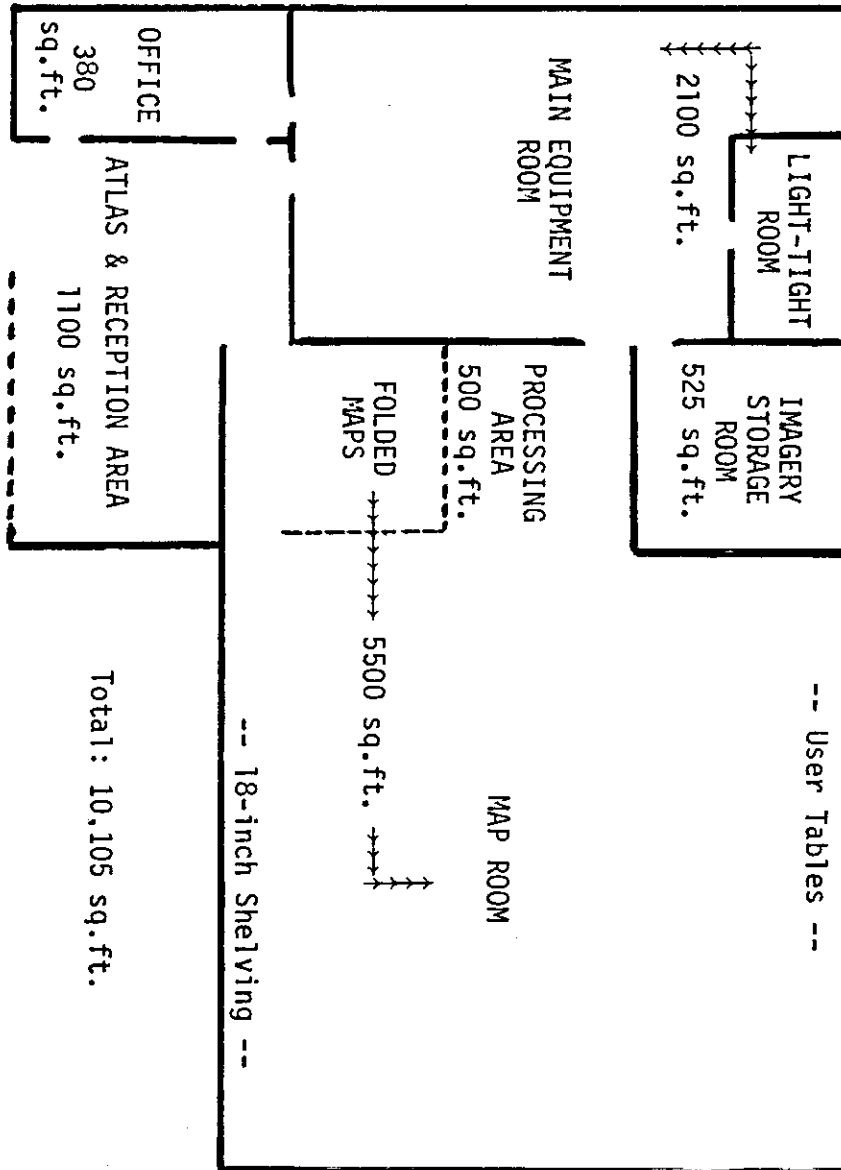


Map & Imagery Collections, University of California, Santa Barbara

ITEM	MODEL/MANUFACTURER	PURPOSE	FORMATS ACCOMMODATED
1.	<u>INTERPRETATIVE</u>		
Stereoscope	*B&L AR-51 (2)	Stereoscopic viewing of imagery at 0-38 x (power magnification) for feature identification	positive/negative 70mm-5" transparencies
Stereoscope	B&L AR-27	Stereoscopic viewing of film at 0-38x for feature identification	positive/negative 5" to 9"x18" transparencies
Stereoscope	B&L 240Z	Stereoscopic or monocular viewing of imagery at 0-60x/stereo mode or at 0-120x/monocular mode for feature i.d.	70mm-9½" positive/negative transparencies or prints
Stereoscope	Kail Mirror Scope	Stereoscopic viewing of imagery at 2.5x for feature identification	9"x9" prints
Monocular Scope	B&L Mono Zoom Scope	Single frame viewing at 0-15x for feature identification	all formats
Multi-spectral Color Combiner	*I ₂ S 6040PT Mini-Addcol	Artificial color combining of multi-spectral imagery for feature enhancement	positive/negative 70mm-5" transparencies
Roll Film Viewer	Hoppmann EV-1	Magnified film expansion at 8.5x and 19.3x for feature enhancement	positive/negative 35mm-9½" roll film
2.	<u>TRANSFER**</u>		
Overhead Viewer	Map-0-Graph 55C	Enlarging or reducing up to 5 times of any material for manual transfer	any format, including roll film
Overhead Viewer	Map-0-Graph 55C-2	Enlarging or reducing up to 5 times of any material for manual transfer	any format, including roll film
Monocular Transfer Scope	B&L ZTS-4-H with photo accessories (2)	Enlarges photo or map 0-14x and allows for anamorphic (stretch) correction and image rotation; composite image may be photographed	any format
Stereo Transfer Scope	B&L Stereo ZTS with photo accessories	As above, but has stereo capabilities	any format
	* B&L = Bausch & Lomb; I ₂ S = International Imaging Systems; K&E = Keuffel & Esser Company	** Most transfer equipment can also be used for interpretation.	

Map & Imagery Collections, University of California, Santa Barbara

ITEM	MODEL/MANUFACTURER	PURPOSE	FORMATS ACCOMMODATED
2. TRANSFER (cont')			
Multi-spectral Color combiner w/exposure control unit	* I ₂ S 6040PT Mini-Addcol	Allows artificial color generation of multi-spectral imagery transferring of results to film or tracing	70mm & 5" transparencies
Copy Camera	Polaroid MP-4	Photographic copying w/4"x5", 2 1/4"x3 3/4", & 35mm film holders	any format
3. SUPPORT ITEMS			
Variable illumination light tables w/roll film holders	Richards Light Tables 10"x40" (3)	Viewing of transparencies	transparent film up to 10" wide
General purpose Light/tracing tables	Hamilton Light Tables 36"x48" (3)	Viewing transparencies or tracing	any format
Drafting table and machine	Hamilton table w/ *K&E drafting mach.	Precision drafting or tracing	any format
Roll film holder for ZTS 4-H	Designed & built by Larry Carver	Allows roll film to be used on the mono transfer scope	70mm - 9 1/2" roll film
Illuminators	*B&L General Purpose Illuminators	Provides spots of intense light for viewing prints under stereo or mono scopes or to provide more concentrated fields of light for photographing	any format
Polar Compensating Planimeter	LASICO Series 50 w/digital readout	High precision linear or area measurement w/automatic scale adjustment	any format
Polar Compensating Planimeter	*K&E Paragon, manual	High precision linear or area measurement	any format
Lettering sets, dividers, map measures, drafting scales, & accessories	various	Aids for drawing, drafting, tracing, or measuring	any format
* B&L = Bausch & Lomb; I ₂ S = International Imaging Systems; K&E = Keuffel & Esser Company			



Floor Plan, Map & Imagery Collections
University of California, Santa Barbara



Photo by W. Swalling

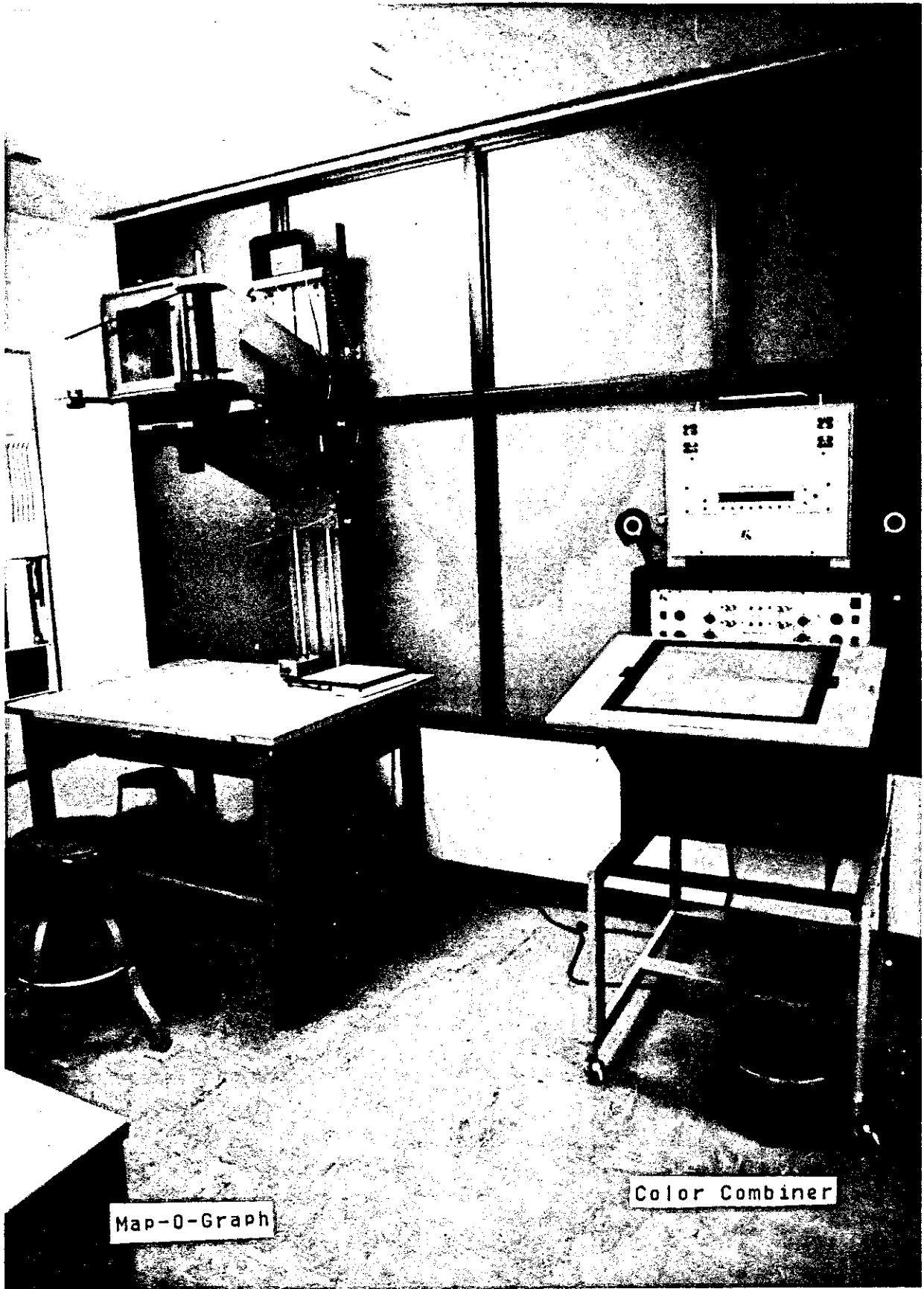
California Governor Jerry Brown visited the UCSB Map & Imagery Collections on March 14, 1978. Here he is being shown techniques for viewing remote-sensed imagery on a light-table equipped with a stereoscope by Dr. John Estes, Head, Remote Sensing Facility, Department of Geography, UCSB. At far right, an unidentified viewer shares the moment.



Imadery Laboratory

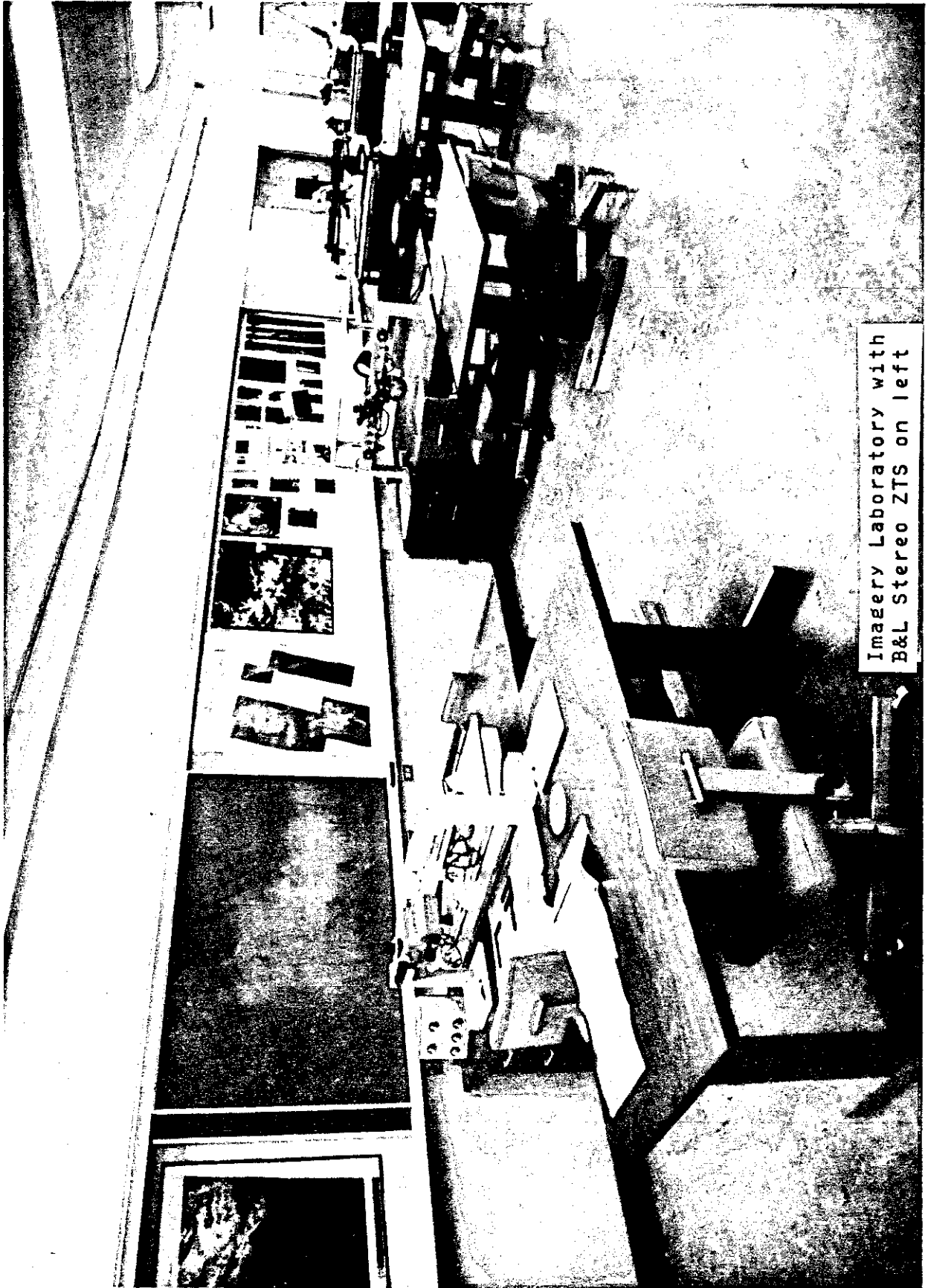


Imagery Laboratory





Map-O-Graph

Color Combiner



Imagery Laboratory with
B&L Stereo ZTS on left

 NEWS NOTES 

Herbert F. Cornelius, Special Collections Librarian, Macquarie University, New South Wales, Australia, at the Sixth Annual Conference of the Australian Map Curators' Circle (15 - 17 February 1978), presented the findings of his study on "Education for Map Librarians".

His 22-page report was published in The Globe (Journal and Conference Proceedings of the AMCC) Number 9, 1978, pp. 36-57.

Cornelius wrote to 78 directors of schools of librarianship, map librarians and other individuals in the United Kingdom, Europe, United States, Canada, New Zealand, and Australia. He received a 79% response. His survey indicates that the situation in North America "... does not appear to have altered greatly since the publication in 1976 of Walter Ristow's article 'Map Library Education in the United States and Canada'". (SLA Geo. & Map Div. Bull., 104: 38-41, June, 1976).

He notes the situation in Australia: "There are no fully-developed courses on map librarianship as such, but replies from Schools of Librarianship at the following [four institutions] indicate some special attention is given to the subject."

His presentation includes a proposal on "what" should be taught, and "how", in courses for map librarianship.

Gilles Langelier, National Map Collection, Public Archives of Canada, Ottawa, has published an 8-page article on the "Microfilming of Cartographic Documents" in the Bulletin of the Association of Canadian Map Libraries (Number 30, March 1979, pp. 1-8).

He concludes with the observation that "Everyone can at least assume that patrons will be directed more and more to the microfilm reader and less often to the original map or plan. To say that mapping agencies will soon start to produce only microforms instead of hard copies is certainly not speculation."

This is a basic survey of previous pilot projects in microfilming of maps and a description of the program at the National Map Collection. He also give some advice on film format, discusses "Why microfilm ...?", refers to standards being developed for microfilming of cartographic material, color microfilming "... should not be eliminated" from consideration - but take a wait and see stance to "... develop ... sufficient expertise with black and white", and offers his preference for using the 105mm film format.

Bill Oppen, Yukon Archives, Whitehorse, Yukon, [on pp. 34-35 of the above quoted Bulletin] reviews the Yukon Official Road Map (Department of Tourism, Government of the Yukon Territory by Canadian Cartographics Ltd., Whitehorse, 1976, reprinted 1978).

A delightfully written, tongue-in-cheek and humorous, commentary on road maps: "All the roads are shown, also mountains, rivers, lakes, campgrounds, blah, blah, blah ad nauseum."

Richard W. Stephenson, Head, Reference and Bibliography Section, Geography and Map Division, Library of Congress, on March 31, 1978, at a map workshop sponsored by the Texas Chapter, Special Libraries Association, in Houston, Texas, delivered a review and update of "Map Collections and Map Librarianship in the United States". His presentation was published in Special Libraries (Vol. 70, No. 3, March 1979, pp. 117-126).

The University of Wisconsin-Extension is the parent body responsible for the Wisconsin Geological and Natural History Survey. The Survey was created in 1897 by the Wisconsin legislature and has been part of the U of W system since 1931. The 1979 List of Publications, published by the Survey, is virtually a bibliography on Wisconsin. Books and Reports, Maps and Charts, Publications by the U.S.G.S., and Publications by Other Organizations cover the broad mission of the Survey: to inventory, investigate, and interpret Wisconsin's geologic, water, soil, and biologic resources. Copies of the List of Publications may be obtained from 1815 University Avenue, Madison, WI 53706.

The U.S. Geological Survey, Topographic Division, 345 Middlefield Road, Menlo Park, California 94025, (as reported in the last issue, p. 160) has published a set of Land Use Data and Analysis (LUDA) maps on 105mm microfiche.

In an effort to obtain user input about this new series, particularly as it appears on microfiche, the Chief of the Branch of Plans and Production, James E. Chamberlain (who spoke to the WAML meeting in Menlo Park) invited comment - to which I replied - : I found the format and film reduction acceptable, but found gaps in the information; e.g., the quads covering San Mateo County (California) contain land use and land cover information for only the San Mateo portions of the quads; therefore, coverage of the balance of the area covered by the quad (i.e., the Santa Cruz County and Santa Clara County portions) was blank. The LUDA map inventory didn't indicate this gap in information, nor did the general brochure produced when the series was first introduced identify this as a potential problem.

Mr. Chamberlain responded to this situation (May 17, 1979) by indicating that:

"The 1:24,000-scale land use maps in San Mateo County are the result of a reimbursable agreement between the U.S. Geological Survey (USGS) and the County, by which the County fully reimbursed the USGS for compilation of the land use data only within the County boundaries. No additional capacity or funds were available to compile the land use data outside the County boundaries.

"The 1978 Land Use brochure was printed before the special San Mateo maps were made. This brochure describes the larger scale 1:250,000 and 1:100,000 land use maps which are considered standard products. In the future when we describe LUDA materials, we will make an effort to append information about the 1:24,000 maps, including the fact that land use information does not extend beyond the San Mateo County line."

Ted Arnow, chief of the USGS Water Resources Division Utah District in Salt Lake City, is author of a report "Water Budget and Water-Surface Fluctuations, Great Salt Lake, Utah" released as USGS Open-File Report 78-912.

The report indicates that, despite public fears at various times that the Great Salt Lake might either dry up or rise enough to flood Salt Lake City, the level of the lake has fluctuated within a range of only 20 feet since 1847.

The Great Salt Lake is a remnant of the much larger prehistoric Lake Bonneville, which covered much of western Utah and small parts of Idaho and Nevada during the Great Ice Age as recently as 12,000 years ago. The present lake is in a natural basin with no outlet, and thus the salt content of the lake water has built up over the centuries.

G. K. Hall & Co., the Boston publisher of library reference works, has announced a massive publishing program which will photographically reproduce the New York Public Library's nine-million-card public catalog.

Two editions are being planned: in book form the printed catalog will consist of some 800 volumes; a microfilm edition is also being planned. Its title will be: Dictionary Catalog of the Research Libraries of the New York Public Library, 1911-1971. In 1971 the catalog was "frozen", and all books added to the Library since that time have been listed in a computer-produced catalog which is continuously updated.

Publication will begin in mid-1979 and continue for four to five years. The 800 volume set is available to U.S. libraries for \$24,000.

Mary Larsgaard, Map Librarian, Colorado School of Mines, reports on a new periodical: The Photogrammetric Coyote

The current issue includes an article by Rupert Southard, U.S.G.S., discussing the USGS mapping programs. On page three, Southard is quoted as identifying the 1:24,000 - 7.5 minute topographic quad series - as being "a twenty-year plan since 1920", and the program now has 7-years before it is completed - that it currently is 96% complete.

Other articles of interest relate to the Bureau of Land Management having its funds for mapping curtailed.

The Photogrammetric Coyote, Mineral Wells Industrial Complex, Route 3, Headquarters Building #228, P.O. Box 1119, Mineral Wells, TX 76067.

Portia Chambliss, UCLA Map Library, and Editor of the UCLA Map Library Newsletter and Selected Acquisitions, has reported that beginning with the July-September 1978 Newsletter (Vol. 3, No. 1) it will be published on an irregular basis rather than strictly on a quarterly schedule. She will strive to publish it as closely to a quarterly basis as possible, but the Map Library's work load and staff shortages will not permit adherence to the quarterly schedule.

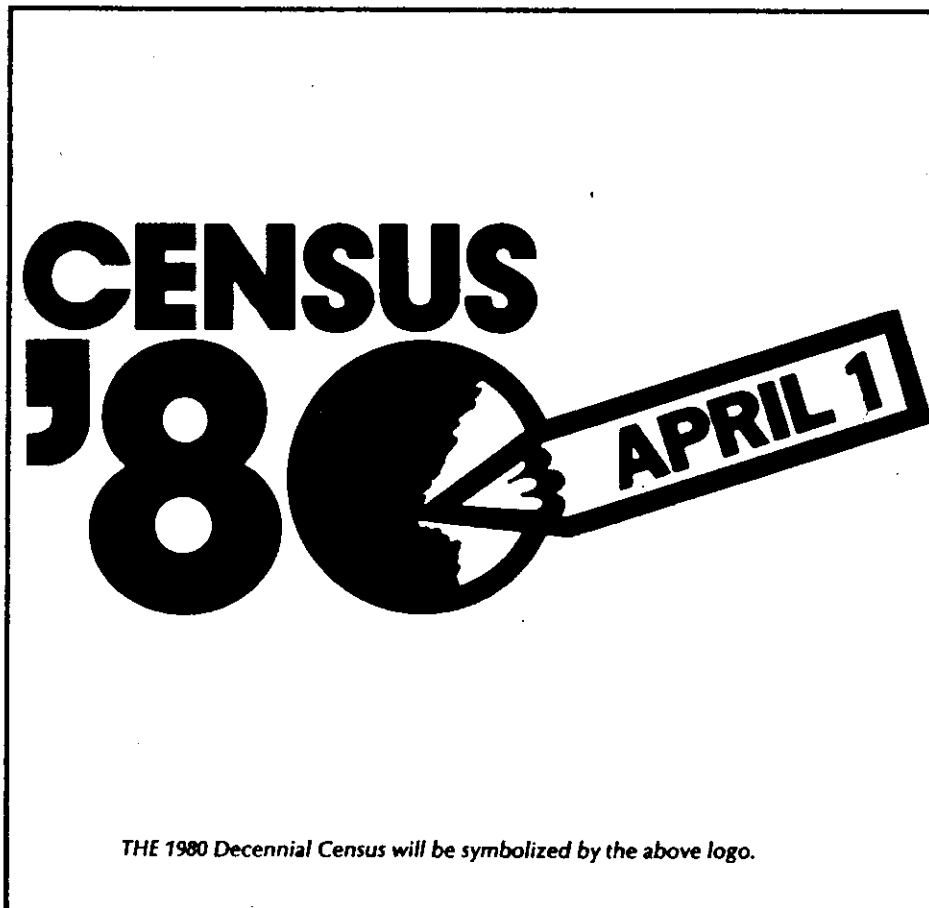
GRAPHIC THEME CHOSEN FOR 1980 CENSUS

In preparation for the 1980 census, a graphic theme, or logo, has been developed by the Bureau to symbolize the next nationwide canvass of America's population and housing.

The logo shows a pencil inscribed "April 1" filling in the zero in the words "Census '80." The logo illustrates two key aspects of the 1980 census--that it will be taken as of April first that year, and that the census is please-fill-it-out-yourself in concept.

Every household in the country will receive a census form in the mail a few days before April 1, 1980, and will be asked to complete the questionnaire covering the living quarters and everyone living in them. Most questions will be answered by filling in with a pencil a small blank circle next to the most appropriate answer. The forms are machine-readable, greatly reducing time costs in handling the forms and in tabulating summary statistics about the U.S. population and its housing.

The Census '80 logo will be featured in a wide variety of promotional material reaching the public in the months leading up to the actual count, including television public service announcements, posters, billboards, and magazine ads.



The Map Society of California met in San Francisco on March 17, 1979 at the University of San Francisco. The Nominating Committee, composed of Leonard A. Magazine, Chair, June Mayfield, and Margaret Sowers, presented the following nominees, who were elected by the members assembled by acclamation:

President Norman J.W. Thrower
Professor of Geography
University of California
Los Angeles

Vice President for Northern California

Robert E. Winter
Department of Geography
California State University
Hayward

Vice President for Southern California

Sandra Lamprecht
Map & Geography Librarian
California State University
Long Beach

Secretary Stuart Auchincloss
Redwood City

Treasurer Richard Hansen (12410 New Airport Road,
Auburn Auburn, CA 95603)

Terms of office are for one year, beginning September 1, 1979.

Income Tax Deductibility - Incentive to attend WAML meetings?

U.S. Treasury Regulation 1.162-5 permits an income tax deduction for educational expenses (registration fees and cost of travel, meals and lodging) undertaken: 1) to maintain or improve skills required in one's employment or other trade or business, or 2) to meet express requirements of an employer or a law imposed as a condition to retention of employment, job status or rate of compensation.

For additional details see Publication 508, "Tax Information on Educational Expenses", 1978 ed., Department of Treasury, Internal Revenue Service. This publication is available at no charge at local IRS offices.

"Those who chart our vast lands explore vital new frontiers", by P. F. Kluge, appears in the March 1979 issue of Smithsonian (pp. 40-53).

Mary Larsgaard indicates that this is an article about U.S.G.S.

Robert H. Power, Nut Tree, California, past president of the California Historical Society, member of the Sir Francis Drake Commission, has published his "A Study of Two Historic Maps (London 1589) and Washington 1856; XVIth Century Plan of Sir Francis Drake's Port of Nova Albion favorably compares to modern chart of San Francisco Bay".

16 p. 22 x 28 cm. illus. Nut Tree, California, Robert H. Power, 1978.

His study was presented to a Members Meeting of the California Historical Society in San Francisco on June 1, 1978. It was revised and published in September 1978 in an edition of 500 copies, of which 110 are designated as keepsakes for the 1978 Joint Meetings of the Roxburghe and Zamorano clubs.

The Quarterly Journal of the Library of Congress (Winter 1979) contains an article by Walter W. Ristow, entitled "The French-Smith Map and Gazetteer of New York State".

Dr. Ristow plots the path of two dedicated surveyors, Robert P. Smith and John H. French, as they attempt to prepare accurate maps of New York and its over 60 counties during the 1850s.

Smith and French published maps and an atlas giving a complete history, description, and statistics of every county, city, and town in New York State.

"The U.S. Geological Survey: 1879 - 1979" is the subject of an exhibition during February-March-April at the Geography and Map Division, Library of Congress.

Seventy-five maps and other cartographic items were displayed. Three engraved copper plates used to print an early topographic quadrangle and a lithographic stone used to print a map of the Yukon River were among this displayed works. New USGS products were also exhibited.

Donald A. Wise, Chief, Acquisitions Unit, Geography and Map Division, Library of Congress, published an article entitled "Cartographic Sources and Procurement Problems" in the May/June 1977 issue of Special Libraries. Only Appendix D was printed with that article. Since then, all of the appendices (including D) have been published in the Bulletin of the SLA Geography and Map Division. Your attention to these will be well worth your time and effort.

- A: Selected Serials Containing Lists and/or Reviews of Current Maps and Atlases.
- #112 B: Selected Map and Atlas Accession Lists.
- #113 C: Selected List of International Dealers in Out of Print Maps & Atlases.
- #114 D: Selected List of U.S. Dealers in Out-of-Print Maps and Atlases.
- E: Selected Special Subject or Area Bibliographies Relating to Maps & Atlases.
- #115 F: List of National Bibliographies containing references to atlases & maps. (updated to January 1979)
- G: United States Official Mapping Agencies.
- H: L.C. Cartographic Acquisitions by Federal Agency.
- I: Sources of Official State Maps
- J: Selected United States Private & Commerical Map Publishers
- K. Selected sources for maps published by international organizations.

MAP LIBRARIANS SPEAK OUT -- AND USGS/NCIC LISTENS

by

David A. Cobb
 Map Librarian
 University of Illinois - Urbana

The need for cartographic communication and the importance of the map user has become a timely topic of discussion among cartographers, their professional associations, and major map publishers. At no time has this need ever included the relationship of the "middle-man", the map librarian, and their link between the cartographer and the user - until recently that is. Numerous interfaces with map librarians have existed in Australia, Canada, and Great Britain over the last few years; but similar relationships have never surfaced in this country. There is little doubt that the fault lies not only with the federal map producers, but equally with this country's map librarians.

The Beginning

It took the creation of the National Cartographic Information Center and a visit to the New York SLA meetings in 1977 by its Acting Chief to begin this change. For the first time, in my memory, a representative from the U.S. Geological Survey was coming to an SLA G & M meeting to discuss their cartographic products. This gentleman, who was a last-minute substitute, turned out to be Mr. Gary North, who was to become Chief of NCIC shortly thereafter.

His paper, which was illustrated with numerous slides of USGS cartographic products, proved to be the beginning of an involvement with the SLA Geography and Map Division, and other map librarians, that many of us had only dreamed of before. His willingness to sit and listen to our complaints, criticisms, suggestions and ideas, led him to believe that a separate meeting of map librarians and NCIC representatives was needed.

Further Initiatives

Most of us were pleasantly surprised to receive an announcement that there would be a meeting of map librarians and NCIC representatives in March 1978. A Denver location was chosen to accommodate the WAML membership, although a misunderstanding caused the announcements not to be sent to WAML members, therefore, only those holding dual memberships were notified of this important meeting. Once again, cartographic products and various automated systems were shown and described to the 40 map librarians attending. Although we had given the Head of the Distribution Section a rough time during one of the sessions, we were appropriately "humbled" as he gave a guided tour of his Denver facility and its 60-million maps! It was quickly revealed, and continually reinforced at this meeting, that map librarians knew considerably more about USGS and NCIC than was realized, although it became increasingly apparent that NCIC/USGS knew very little about map libraries and their role as a vital communication link to the user. Unfortunately, we as map librarians were as disorganized as USGS. We were discussing various issues with such rapidity that neither we, nor they, were able to isolate any of them and deal with them

individually. Actually, USGS had organized. They had formed NCIC to deal with these specific types of problems, even though they had not considered map libraries as users! Map librarians, on the other hand, were loosely organized and were represented by those with individual concerns. Nevertheless, collectively we made an impression, and Mr. North promised another meeting - this time with higher officials at the National Center.

Map Librarians Act

As SLA met in Kansas City, discussions continued toward formalizing our relationships with USGS and a paper even called for a committee to be formed to work with the National Cartographic Information Center and the Library of Congress Geography and Map Division. As these committees were discussed, an informal group of map librarians continued to maintain the momentum gained since the New York SLA meetings. Another meeting was scheduled, this time to coincide with the International Cartographic Association's meetings in Washington during July 1978.

Eight map librarians (Helen J. Armstrong, David A. Cobb, Mary Larsgaard, James O. Minton, Jerry Post, Charles A. Seavey, Paul W. Stout, and Alberta Wood) met with nine staff members of the USGS Topographic Division and the Publications Division. Although still only representing a "concerned citizenry of map librarians", we had prepared an agenda for this meeting including the following topics: 1) the value of map user studies to the National Mapping Program; 2) additional products being added to the Depository Program; 3) the NCIC Newsletter; 4) the status of the state gazetteers; 5) the Land Use-Land Cover series; 6) orthophotoquad distribution; 7) map sheet numbering systems; 8) traveling exhibits; 9) catalog and microfiche products from various NCIC Information Systems; and 10) additional information on topographic map symbology. An official set of minutes (3p.) was kept and distributed to attendees soon after the meeting.

G & M Division Formalizes Tie with NCIC

In the fall of 1978, the SLA G & M Executive Committee created two Professional Concerns Committees: one to work with USGS/NCIC and the other with the Library of Congress Geography and Map Division. Appointed to the USGS/NCIC Committee were David A. Cobb (Illinois)(Chairman), Charles A. Seavey (Northern Iowa), Stanley Stevens (California at Santa Cruz), Mai Treude (Minnesota), and Kathleen Zar (Chicago).

It became quite apparent to this Committee that a questionnaire was in order if we were to accurately represent map libraries to USGS. The questionnaire included requests for statistics on USGS depository collections and questioned library needs and uses of USGS products. With this information, the Committee met with USGS representatives again in February 1979. The meeting was scheduled to review the status of action-items from the July 1978 meeting, to report on the Committee's questionnaire, and to present our proposal for a national map-sheet numbering system. A set of minutes from the February meeting, containing 16 pages, reflects the continued improvement of the Committee's input and the development of its advisory status. We have changed our name to SLA G & M Cartographic User's Advisory Committee to the U.S. Geological Survey and have established unofficial contacts with the American Library Association and the Geoscience Information Society to broaden the

base of our input.

The Future

In summary, the Cartographic User's Advisory Committee has begun a dialogue with the U.S. Geological Survey which has been long overdue, and this dialogue will soon begin to benefit all of the USGS depository libraries. The Committee believes it is beginning to have an effect on the mapping and public relations programs of the U.S. Geological Survey. With continued cooperation from USGS/NCIC, and additional input from map librarians, the Committee can truly represent our needs and improve the relationship of libraries with the Survey. We have spoken out for map libraries, and to our pleasant surprise, we have not only been listened to, but have been asked for advice -- the future is promising!



JOINT PROJECT LAUNCHED TO BUILD DATA BASE OF U.S. MARC DATA ELEMENTS

In an effort to encourage uniform usage of MARC (Machine-Readable Cataloging) tags in the various bibliographic record formats, the Library of Congress and the Research Libraries Information Network (RLIN), formerly known as BALLOTS, are jointly building a data base describing the U.S. MARC data elements, that is, content designators (tags, indicators, and subfield codes) used in Library of Congress MARC records. The data base is being built under Stanford University's generalized data base management system, SPIRES, and represents an expansion of the *BALLOTS Data Elements Dictionary* which is maintained by RLIN in machine-readable, text-editing form.

Initially, the Library of Congress will use the data base as a tool for maintaining specifications for the U.S. MARC formats for book, film, manuscript, map, music, and serial materials and for producing a variety of publications, including new editions of the MARC formats. Other uses, such as a data dictionary from which data structures for Library of Congress computer programs can be derived, are also under consideration.

At the same time, RLIN will use the data base in preparation for an extensive system upgrade, the Network File System, which will support all MARC formats. The data elements data base will also contribute to the expansion of the kinds of information accessible on-line through the Research Libraries Group (RLG) network.

The data base is currently composed of information publicly available in various documents published by the Library of Congress, some of which are out of print, and most of which require multiple addenda to be considered up-to-date. With the passage of time, conflicts in descriptions or examples have crept into the formats, as

have various other discrepancies. Therefore, the Library of Congress is editing the information to identify these inconsistencies and is adding comments on the evolution of specific data elements, tag repeatability, and current format practice. Elaine Woods, formerly of the MARC Development Office, has been retained by the Library to edit the information which will then be reviewed by Library of Congress staff.

RLIN will manage the data base and will provide programming support for the editing process and for producing tape or camera-ready copy for publication by the Library. Initially, the data will be made available to the library community as a loose-leaf publication which will provide an integrated U.S. MARC format for all bibliographic materials currently described in specific MARC formats, that is, for books, films, manuscripts, maps, music, and serials. Publication of this integrated format is scheduled for later this year. Distribution will be handled by the Library's Cataloging Distribution Service. More details on this publication will be issued at a later date.

*Library of Congress
Information Bulletin*

April 6, 1979
Vol. 38, #14 pp. 125-6

ATLASES - BRIEF REVIEWS

by

Sandra J. Lamprecht
 Geography and Map Librarian
 California State University
 Long Beach

Atlas de la Haute-Volta. Sous la Direction de Yves Péron [et] Victoire Zalacain. [Paris] Editions Jeune Afrique [1975]. 48p.
 (Ref G 2679.30 A8 1975)

Ethnic groups, climate, industries and tourism are four of fourteen subjects covered in this small atlas of Upper Volta. Also included are graphs, text, and an index. In French.

Atlas de la République Populaire du Congo. Sous la Direction de Pierre Vennetier. [Paris] Editions Jeune Afrique [1977]. 64p.
 (Ref G 2620 A8 1977)

This atlas of the People's Republic of the Congo is part of "Les Atlas Jeune Afrique" series. Subjects covered (with accompanying text and graphs) include forest economy, population, health and soils, etc. Index included. In French.

Ballard, Robert D. and Moore, James G. Photographic Atlas of the Mid-Atlantic Ridge Rift Valley. New York: Springer-Verlag [1977]. 114p.
 (Ref G 2807 M5B3 1977)

American and French scientists associated with Project FAMOUS (funded by the National Science Foundation and the National Oceanic and Atmospheric Administration) studied the Mid-Atlantic Ridge Rift Valley for a period of over four years. Selected photographs from this project comprise the bulk of the atlas with submarine volcanic products and faults being the two major subjects covered. Also includes text, sketches, and references.

García de Miranda, Enriqueta and Falcón de Gyves, Zaida. Atlas; Nuevo Atlas Porrúa de la República Mexicana. 3d. ed. Mexico City: Editorial Porrúa, S.A., 1977. 197p. (Ref G 1545 G36 1977)

This Mexican atlas is divided into three sections: historical maps, maps of the states, and thematic maps. A page of text accompanies each of the colored state maps providing the reader with information on climate, hydrography, agriculture, industry and population among other things. Also includes selected statistics, graphs and an index. In Spanish.

The Maine Bicentennial Atlas: An Historical Survey. [Edited by] Gerald E. Morris. Portland, Maine: Maine Historical Society, 1976. [92]p. (Ref G 1215 M3 1976)

As stated in the introduction, the atlas is "... intended as an aid and a supplement for readers and students of Maine history and geography. It is not an album of old maps ...". It is divided into three parts: Historical Maine (i.e., colonial wars, population densities, railroads, quarrying, etc.); Maine in 1976 (i.e., geology, the public school system, land ownership, etc.) and Historical Maps. Also includes text and sources.

The Times Atlas of World History. Edited by Geoffrey Barraclough. Maplewood, N.J.: Hammond [1978]. 360p. (Ref G 1030 T54 1978)

Most world historical atlases are Euro-centric (i.e., European history is stressed); the London Times, Inc., however, has sought to remedy this situation by presenting the social, economic, and cultural history of the entire world. The atlas is subdivided into seven sections (The World of Early Man; The First Civilisations; The Classical Civilisations of Eurasia; The World of Divided Regions; The World of the Emerging West; The Age of European Dominance; and The Age of Global Civilisation). 1975 is the closing year and text accompanies all of the 130 plates. Other features include a 12 page world chronology, a 37-page glossary of peoples, events, treaties, etc. and an index. An excellent and long-awaited work which should prove to be popular with many patrons.

§ § § § § § § § § § § § § § §

BENCH MARKS!!

Alan Edward Schorr, formerly of the Rasmuson Library, University of Alaska, Fairbanks, is now Director of the Library, University of Alaska, Juneau.

Edward P. Thatcher, Map Librarian, University of Oregon, Eugene, has been promoted to Professor of Library Science, effective July 1, 1979.

Sandra J. Lamprecht, Geography and Map Librarian, California State University, Long Beach, has been appointed Review Editor of the Information Bulletin, Western Association of Map Libraries.

Sandra has also been elected Vice-President for Southern California of the Map Society of California, beginning September 1, 1979.

Frances Woodward, WAML President, has been appointed Compiler of a Cumulative Index to the WAML Information Bulletin, Volumes One through Ten (1969-1979). Edward Thatcher, Chairman of the Publications Committee, in consultation with the Members of the Committee, made the announcement. The current plan is to publish the Cumulative Index during the 1979-1980 Membership Year. Distribution of the Index will be decided at a forthcoming meeting of the Executive Committee based on a recommendation of the Publications Committee.

U.S. GEOLOGICAL SURVEY OPEN FILE REPORTS

by

Nancy J. Pruett
 Geology-Geophysics Library
 University of California
 Los Angeles

When the U.S. Geological Survey wants to make its work accessible without going through the review process required of its formal publications, it announces that the material is available in open files in specified USGS Libraries and USGS Public Inquiries Offices.

Reports released before May 1, 1974 were listed in USGS Circulars entitled "Reports and Maps of the Geological Survey released only in the Open Files". The numbers of the Circulars and their corresponding years are as follows:

1946-47	Circular 56	1961	463
1948	64	1962	473
1949-50	149	1963	488
1951	227	1964	498
1952	263	1965	518
1953	337	1966	528
1954	364	1967	548
1955	379	1968	568
1956	401	1969	618
1957	403	1970	638
1958	412	1971	648
1959	428	1972	668
1960	448	1973	696
		1974	706

Since 1974 the Open File Reports have been listed with other USGS publications in the monthly New Publications of the Geological Survey, which is cumulated annually.

On the order of 800 Open File Reports were issued in 1977. In contrast, there were only 64 Professional Papers, 31 Bulletins, and 32 Circulars. The number of Open File Reports has been increasing, and, according to the USGS, will continue to do so. As the number of reports has increased, the problems of access have become more critical.

In October 1977, the Survey set up the Open File Services Section in Denver and began giving microfiche and hard copy order-information in New Publications. One can now order these reports from the Open File Services Section, Branch of Distribution, USGS, Box 25425, Federal Center, Denver, CO 80225 (telephone 303/234-5888).

Purchasing the Open File Reports or going to the appropriate Survey office is essentially the only access to them. And, while many government documents are priced lower than their full cost on the theory that they've already been paid-for by the taxes that funded the agency, the Open File Reports are priced for full cost recovery.

Some Open File Reports are included as Item 624-H in the GPO depository program, as Charles Seavey reported in the last WAML Information Bulletin (Vol. 10, No. 2, March 1979, p. 164). However, in the last six months, only two Open File Reports have come through GPO and this is much fewer than the number of reports which have been issued. For example, the February 1979 issue of New Publications lists one of the two that came through the GPO depository, OFR 78-885 ("Reconnaissance evaluation of water resources for hydraulic coal mining, Grand Hogback coal field, Garfield and Rio Blanco Counties, Colorado"). But there are also 75 others listed which don't come through GPO. It appears that fewer than 2-percent come as GPO depository items.

The major problems for the Survey in increasing the availability of Open File Reports appear to be: (1) the cost of making them available to depository libraries, (2) the Survey's hesitancy to distribute widely any material which has not undergone the rigorous USGS review process, and (3) the fact that no one has received nor receives a complete set of the Open File Reports now, not even the Open File Services Section.

POSSIBLE CHANGES

There are at least two committees concerned with Open File Reports. One is the Geoscience Information Society's Committee on Open File Reports, of which I am Chairman. The other is the Special Libraries Association/Geography and Map Division's Cartographic Users Advisory Committee, chaired by David Cobb. All of us on these committees would appreciate your input on Open File Reports.

Please let me know, as soon as possible, your opinions on Open File Reports to help us work to improve access to them. Please provide the following information:

Your Name, Address, and Phone Number.

What have been your problems with the USGS Open File Reports?

How often have you tried to obtain a copy of an Open File Report in the last year?

How often did your library get requests for them?

Does your library have any Open File reports? Size of collection and how obtained? Are they available to other libraries _____ or individuals _____? to borrow _____ or to copy _____?

SOLUTIONS: If the Committee could convince the USGS to include Open File Reports in depository collections, what form of depository collection would you like to see: (Check any that are acceptable; star * your preference)

_____ Microfiche _____ Paper Copy _____ Choice of Fiche or Paper
 _____ Reproducible Copies _____ Complete Set, current & retrospective
 _____ Limited to Geographic Area _____ Limited by something other than geographic area (What? _____)
 _____ Current materials only

COMMENTS: Who should get these on deposit? _____ USGS Map Depositories
 _____ Government Printing Office (GPO) depositories _____ Other
 Who?
 If the reports were done as NTIS reports, would that make
 them more accessible to you?
 Would a directory of where Open File reports are available and/or
 reproducible be of help?
 What other solutions can you think of?

PURPOSE

The purpose of collecting this information is (1) to ascertain which WAML Members are concerned with USGS Open File Reports; (2) to solicit data and documentation as to what the problems with Open File Reports are; and (3) to identify possible solutions.

If you have had correspondence with the USGS on Open File Reports, we would appreciate having copies.

Please respond as soon as possible to: Nancy J. Pruetz
 GIS Committee on Open File
 Reports
 or phone (213) 825-1055 UCLA Geology-Geophysics Library
 Los Angeles, CA 90024

Out-of-Print U.S.G.S. Topos Wanted

The Map Collection at Brigham Young University is seeking out-of-print U.S. Geological Survey topographic quadrangles for the entire U.S. at the scales of 1:62,500, 1:125,000, and 1:250,000 originally surveyed between the 1870's and the 1930's.

Any library or dealer who has these quadrangles to give away, exchange, or sell, please contact:

Riley Moffat (801) 374-1211
 Map Librarian
 1354 HBLL
 Brigham Young University
 Provo, Utah 84602

THE PACIFIC OCEAN

A CSUF and UCI Joint Event

A joint dinner gathering was participated in by the Patrons of the Library, California State University, Fullerton, and the Friends of the Library, University of California, Irvine, on the evening of 18 April 1979, at the University Center, CSUF.

Dr. Helen Wallis presented an illustrated lecture, "Exploration and Mapping of the Pacific Ocean." The speaker soon had the confidence of her audience and by virtue of her personality and pleasant presentation, the audience had not only an enjoyable but an informative evening on a scholarly and timely subject.

Dr. Wallis is an eminent English scholar, an authority on her subject, and is Map Librarian of the British Library, London. She is in the United States for four months, as research fellow at the Clark Library, University of California, Los Angeles, also as a participant in the international conference honoring the 400th anniversary of Sir Francis Drake's sojourn in California.

The conference will be held in the Los Angeles and San Francisco areas, 10 to 17 July, 1979. Dr. Wallis will open the British Library exhibit at the Oakland Museum on 17 June and will give her lecture, "The Cartography of Drake's Voyage", at the closing banquet at the Sir Francis Drake Hotel in San Francisco on the same date. The Oakland exhibit will continue for four months.

At the conclusion of the lecture the audience walked to the University Library to view the CSUF, Collection for the History of Cartography exhibition, "The Grand Ocean, The East & Cathay, Twenty-seven Maps, 1556-1855, plus one." The exhibition was compiled by Roy V. Boswell, curator of the collection.

Roy V. Boswell



EDITOR'S NOTE: The exhibition catalog "The Grand Ocean, The East & Cathay, Twenty-seven Maps, 1556 - 1855, plus one" is reproduced on the following pages with the kind permission and courtesy of Roy V. Boswell.



News Tribune Photo by Mike Pilgrim.

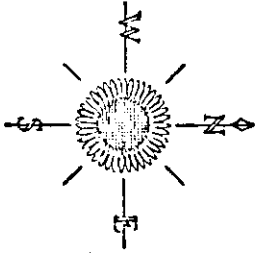
Dr. Wallis views one of the maps of China by Coronelli.
At left is Roy V. Boswell, Curator of the collection.



*Collection for
The History of Cartography*

THE GRAND OCEAN
The East & Cathay

Twenty-seven Maps, 1556—1855
plus one



An Exhibition April 16, 1979

THE UNIVERSITY LIBRARY
CALIFORNIA STATE UNIVERSITY, FULLERTON

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was sponsored by the
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CALIFORNIA STATE UNIVERSITY, FULLERTON

MANUFACTURED IN THE UNITED STATES OF AMERICA

toria anchored at Seville on the 8th of September, 1522, with a cargo of wealth including 26 tons of cloves. There is an illustration of the *Victoria* on the Ortelius map "Maris Pacifici," Exhibit 3.

Magellan not only discovered a western passage from the Atlantic Ocean to the Pacific Ocean, but he revealed for the first time the immense width of the Pacific Ocean, and he also proved, by his circumnavigation, that Columbus was right in his theory that the world was round.

Sir Francis Drake, from Darien in 1573, was the first Englishman to look upon the Pacific, and John Oxenham, sailing a pin-nance off the coast of Darien in 1575, was the first Englishman to sail a ship on the Pacific Ocean.

Eighteenth century charts of the French admiralty, for the use of French vessels, designate this ocean as *Le Grand Océan*. On Tello's chart, Exhibit 7, the ocean is *El Grande Oceano*. *Grand*, in French, Spanish, or English, conveys the same meaning, grand and large, but not only large — great, grand, noble, solemn, sublime, and majestic. Hence, for the title of this exhibit I have used "Grand Ocean."

The Pacific Ocean is the largest single earth feature. It is the largest division of the hydrosphere, consisting of one enormous basin. It has one and three-quarters the area and double the volume of water as the Atlantic Ocean, the next largest division. Its area is greater than all the land above sea level on the face of the globe. See Exhibit 8.

The ocean and its seas are bounded on the north by the Bering Sea and the fringe of islands; on the south by Antarctica; on the east by North America and South America; and on the west by Asia, Malaysia, Australia, and New Zealand. That part of the ocean north of the equator is called the North Pacific and that part south of the equator is called the South Pacific.

It is nearly landlocked at the north, connecting with the Arctic Ocean only by Bering Strait, which is 36 miles wide. From Bering Strait to the Antarctic Circle the distance is 9,300 miles. At the equator, from Equator to Indonesia it is over 10,000 miles,

THE GRAND OCEAN, THE FAR EAST AND CATHAY

☆ ☆ ☆ ☆

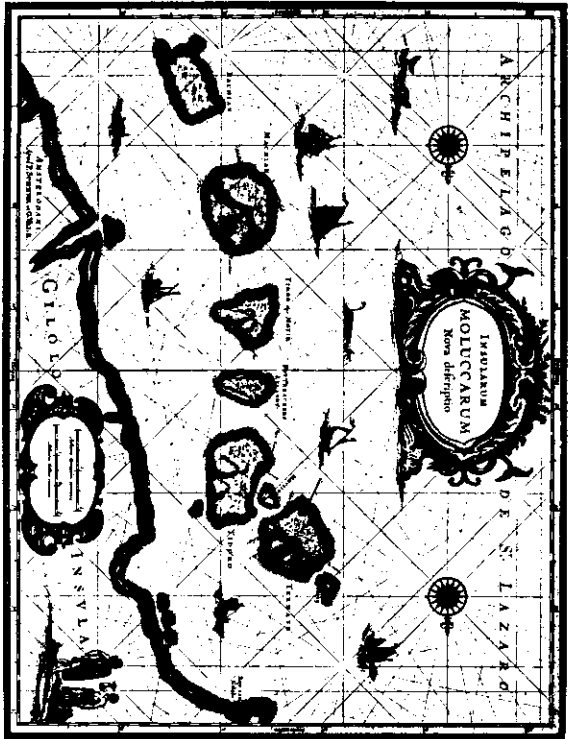
THE GRAND OCEAN

VASCO NÚÑEZ DE BALBOA was the first European to see, from its eastern shore, the ocean separating North America and South America from Asia and Australia. He first sighted it from a peak on the Isthmus of Darien (Isthmus of Panama) on the 25th day of September, 1513 and named it *El Mar del Sur*. Balboa then traveled to the water's edge, where he took formal possession for Spain, including the shore from pole to pole. To this day the South Pacific Ocean is romantically referred to as the "South Sea."

On the Vogel map of the world, published in 1556 (Exhibit 1 and reproduced on the centerspread), the ocean is so named and there is a two-line inscription attesting to Balboa's discovery. This map was a gift to CHC from the Patrons of the Library.

On September 20, 1519, Ferdinand Magellan, a Portuguese (Portuguese = Fernão Magalhães) under the flag of Spain, sailed from Seville with five small ships. He crossed the Atlantic Ocean, down the coast of Brazil, and south to the strait that bears his name. In the strait he spent 38 days and lost two ships. On the 28th of November the remaining ships rounded Cabo Deseado, the western terminus of the strait, and sailed into the "Great South Sea" which for the steady and gentle winds that drove the fleet Magellan named *Mare Pacificum*.

For ninety-eight days Magellan crossed the ocean, from Cabo Deseado to the Ladrões. He then sailed to the Philippines and to Cebu, where he was killed. Only one of the five ships, the *Victoria*, under command of Juan Sebastian del Cano, returned to Spain completing a circumnavigation of the globe. The *Vic-*



26 * Janssen. Insularum Moluccarum. Amsterdam, 1633.

and from Panama to Singapore it is almost half the distance around the world. The Pacific Ocean and its shores may be said to constitute the Pacific Hemisphere.

On the western rim are: Russia (Siberia), China, Japan, Korea, Taiwan (Formosa), Malaysia or Malay Archipelago (the largest island group in the world including the Philippines, the Moluccas or Spice Islands and New Guinea), the island continent of Australia, and New Zealand.

On the eastern rim are: British Columbia, Washington, Oregon and California, Mexico, Central America (Guatemala, El Salvador, Honduras, Nicaragua, and Panama) and the South American countries of Columbia, Ecuador, Peru, and Chile. The shoreline of the Californias (the state of California and the peninsula of Baja California) is some 2,000 miles.

[5]

There are about 25,000 islands in the Pacific Ocean, more than in all the rest of the world's oceans combined and containing more than 1,000,000 square miles of land area.

On January 9, 1978 the United States extended its territory 6,000 miles across the Pacific to include a remote 16 of these islands, between Guam and Japan, the Commonwealth of the Northern Mariana Islands. This is the first territory (184 square miles) added to the United States since 1917, when the Virgin Islands in the Caribbean were purchased from Denmark.

THE FAR EAST AND CATHAY

The Far East or the Orient refers to the countries east of Europe, reached, before the discovery of America, by traveling east; now, specifically, the countries of East Asia bordering on the Pacific Ocean: Siberia, China, Japan, Korea, Indochina, and the Malay Archipelago. The Far East is now reached from California by flying west across the immense expanse of the Pacific Ocean.

Cathay is the name given China by Marco Polo, a name which is not used by the Chinese themselves. The major part of the east Asiatic coast has been controlled by this immense empire, with one-fourth of the world's population, for several thousand years. Cathay is a different civilization, contrasting to that of ours of the west, replaced only in this century by the People's Republic of China.

Europe sought for centuries a western passage to Cathay. This was the objective of Columbus. America proved a barrier. It was Magellan's circumnavigation that convinced Europe that the route was through the strait of Magellan. This remained the route until completion of the Panama Canal in this century.

As Europe once looked west for the riches of Cathay, so we in California now look across the Pacific to Cathay for its wealth, and Cathay looks eastward to us for a different kind of wealth.

R. V. B.

[6]

EXHIBITIONS

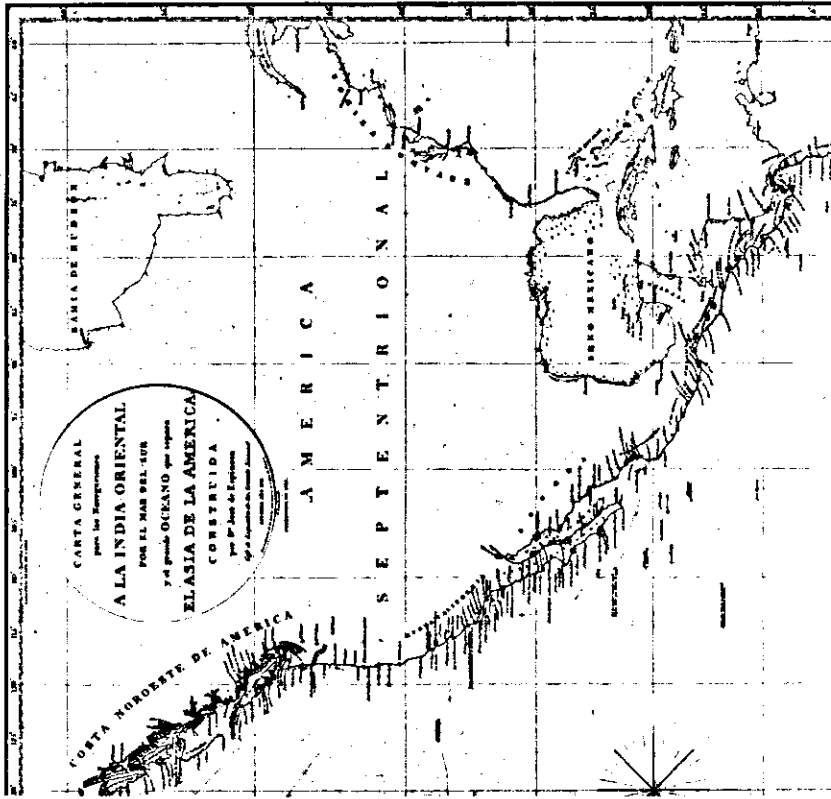
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THE COLLECTION FOR THE HISTORY OF CARTOGRAPHY collects maps and charts from the earliest times through the nineteenth century, or pre-1901. This exhibition is an exhibit of 27 of its maps issued 1556-1855, plus one. The "plus one" is Exhibit 8, a twentieth century map of the *Pacific Ocean Floor* which is included because there are no "old" maps adequately portraying this subject.

This exhibition is the seventh by CHC in the University Library and the first in a series entitled *The Grand Ocean*. It covers the ocean as a whole and the western rim (the east coast of Asia). Other exhibitions contemplated will treat the eastern rim (the west coast of North America and South America), the European discovery and exploration of the ocean, and the islands of the ocean.

A printed map may have been published separately or it may have been included in an atlas (a cased collection of maps with or without text) or in a book. Where the atlas or other book source has been identified, the title of the map is enclosed within quotation marks; if the map is separate or the atlas or other book has not been identified, the title is written in italic.

Old maps are historical documents and many are artistic. The full appreciation of the maps can be realized only by viewing them. No reproduction in black and white and reduced scale can do the original justice. Frequently, the most beautiful map is the most difficult to reproduce.



7 * Espinosa y Tello. El Grande Oceano. London, 1813.

PACIFIC OCEAN

THE EXHIBITS

* * *

THE WORLD

1 * Vopel, Caspar, 1511-61. "Typo de la carta cosmographica de Caspar Vopellio Medeburgense." Source: Hieronymo Girava, *Dos Libros de la Cosmographia*, Milan, 1556. This book is one of the outstanding 16th century works on the art of navigation.

Vopel was born in Medebach in Westfalen. This map is constructed on a cordiform projection based on that of Peter Apianus of 1520.

The Pacific Ocean is named "Mar de Sur," and beneath it is a note stating that Vasco Nuñez de Balboa discovered it in 1513. This map is a gift to CHC from the Patrons of the Library, California State University, Fullerton.

2 * Ortelius, Abraham, 1527-98. "Typus Orbis Terrarum. Ab. Ortelius describ. cum privilegio decennali. 1587." Source: Ortelius, *Theatre de l'Univers*, 1587. A feature of this map is the vast extent, entirely around the world, of "Terra Australis," the unknown southern land or Antarctica. The North Pacific is not named; the South Pacific is named "Mar del Zvr" and "El Mar Pacifico."

It is interesting to compare the configuration of the Pacific Ocean and the representation of America on the different Ortelius maps, Exhibits 2, 3, 10 and 24.

[9]

3 * Ortelius, Abraham, 1527-98. "Maris Pacifici, (quod vulgò Mar del Zur) cum regionibus circumiacentibus, insulisque in eodem passim sparsis, novissima descriptio . . . Abrahamus Ortelius . . . 1589." Source: Abraham Ortelius, *Additamentum IV, Theatri Orbis Terrarum*, Antwerp, 1590.

There is an illustration of the *Victoria*, the only one of Magellan's five ships to complete the first circumnavigation of the globe. This map is reproduced in CHC's first exhibition catalog, *California & Other Early Maps* (Fullerton, 1971).

The Japanese Islands are represented with the longer axis east and west instead of the correct northeast and southwest. The islands of Hondu and Kiusiu form a crescent of which the southward-pointing arms create a gulf wherein lies the island of Shikoku. This incorrect delineation, sometimes described as the turtle shape, is of Portuguese origin and was in use for nearly a hundred years. This is the earliest appearance in print.

4 * Green, John, died 1757, (pseudonym for Braddock Mead). *Chart, containing the coasts of California, New Albion, and Russian Discoveries to the North; with the Peninsula of Kamabarka, in Asia, opposite thereto; and Islands, dispersed over the Pacific Ocean, to the North of the Line.* [London] Publish'd according to Act of Parliament and Printed for Robt. Sayer in Fleet Street and Thos. Jefferys in the Strand, ca. 1768." Tracks of the early navigators are shown.

5 * Zatta, Antonio, fl. 1757-97. "Nuove Scoperte fatte nel 1765, 67, e 69 nel Mare del Sud. Venezia 1776. Presso Antonio Zatta. G. Zuliani scd. G. V. Pasquali scri." Source: *Atlante Novissimo*, Venice, Antonio Zatta, 1775-99. Title is surrounded by a hand-colored marine scene and foliage. This map shows navigators' tracks, including those of Cook's first voyage.

[10]

6 * *Carte de l'Océan Pacifique au Nord de l'Equateur, et des côtes qui le bornent des deux côtés: d'après les dernieres découvertes faites par les Espagnols, les Russes et Les Anglois, jusqu'en 1780.* "Publiée par Tobie Conrad Lotter à Augsbourg."

Below the map there are twelve lines of text in French, signed "T. A. Mann, 1781," stating that the map was first published at London in the *Gentleman's Magazine* for December, 1780, and describing discoveries of Captains Cook and Clarke. The title and the text are repeated in German.

Shows the tracks of Cook and Clarke, also "Route des Galeons Espagnols de la Manille à Acapulco dans la Nouvelle Espagne." The annual voyages of the Manila galleons lasted for 250 years, from 1565 to 1815, and was the first regular transportation service between North America and Asia.

7 * Espinosa y Tello, José de. *Carta General para las Navegaciones a la India Oriental por El Mar del Sur y el grande Oceano que separa El Asia de la America. Construida por Dn. José de Espinosa Gêge de Esquadra de la Armada Nacional.* "Londres [no. 19 Dean Street Soho] Año 1812. Los numeros de la Sonda son brazas de 6 pies de Burges. F. Jones la grabó. Corregida en 1813." The prime meridian is Cadiz, Spain.

This map is in six sections. If joined, the engraved surface would measure NS or vertical 129.9 cm by EW or horizontal 243.9 cm, a wall map measuring over four feet by eight feet. Two sections are exhibited: the top right with the title (which is reproduced herein) and the bottom middle, which shows Australia with the southern coast incomplete.

Jones, the engraver, engraved maps for Arrowsmith in London. Presumably, at the time, the work could not have been done in Spain to Espinosa's satisfaction. Espinosa was the founder of the Spanish Hydrographical Survey.

There are three inset maps: Philippine Islands, Dunda Strait between Sumatra and Java, and the Karimate Strait between Sumatra and Borneo.

The routes of navigators are shown: Alvaro de Mendaña,

1595; Pedro Fernandez de Quiros and Luis Vaez de Torres, 1606; Juan de Ybarcoita, 1799; Malaspina and Bustamante, 1791-3; Barwell, 1798; Duff, 1797; Juan Monteverde, 1806; Franco Maurice, 1780-1; Young William, 1796; Joaquin Lafita, 1802; Exeter, 1793; Cuffnell, 1796.

8 * National Geographic Society. Geographic Art Division. "Pacific Ocean Floor" Mercator projection. Source: *National Geographic Magazine*, October, 1969.

NORTHERN PASSAGE

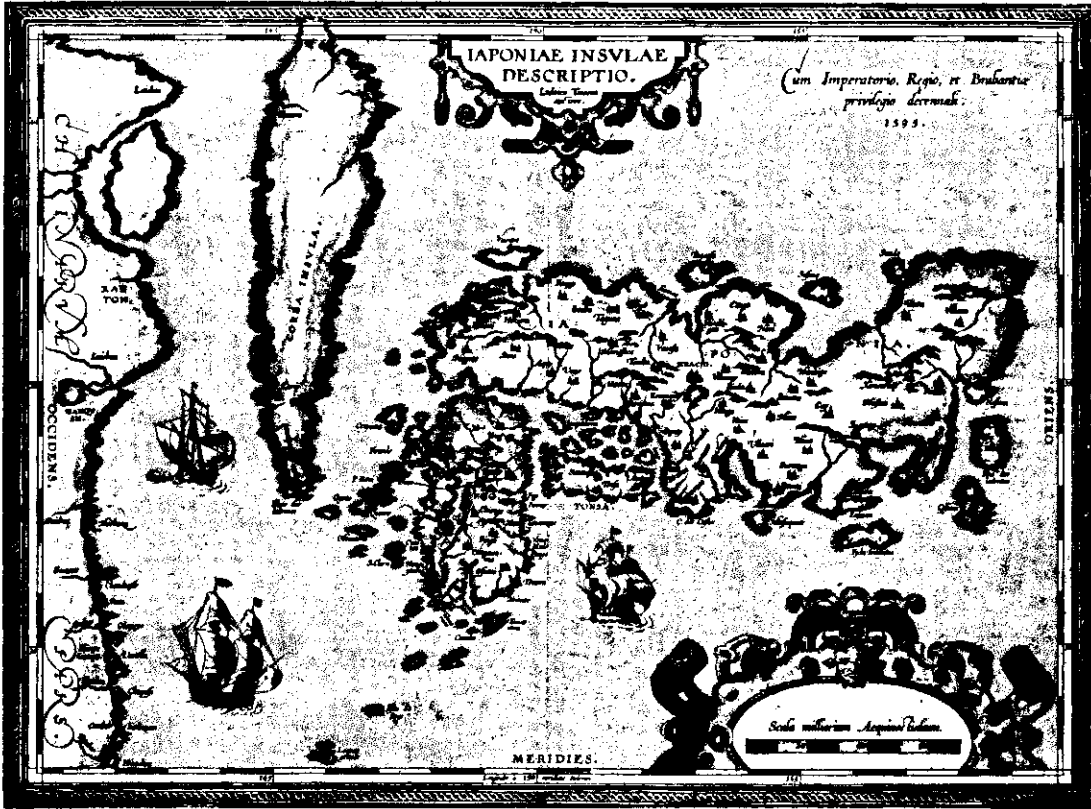
9 * Thomson, John, fl. 1777-1838. "Chart of the Northern Passage between Asia and America. Drawn & Engraved for Thomson's *New General Atlas*, Edinburgh, 1816." This map shows the northern boundary of the Pacific Ocean. The "Sea of Kamtchatka" is now known as the Bering Sea.

TARTARY

10 * Ortelius, Abraham, 1527-98. "Tartariae sive Magni Chamii Regni typus." Source: Abraham Ortelius, *Theatrum Orbis Terrarum*, Antwerp, 1570. Tartary (Tatary), historically, was an indefinite region in Asia and Europe extending from the Sea of Japan to the Dnieper River.

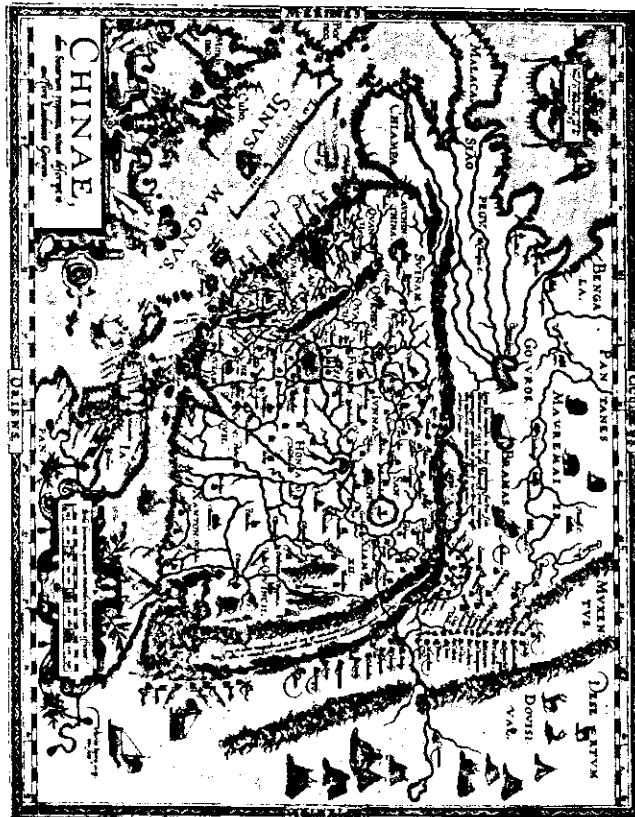
JAPAN

11 * Teixeira, Luis, 1564-1604. "Laponiae Insvlae Descriptio. Ludoico Teisera auctore. Cum Imperatorio, Regio, et Brabantiae privilegio decennali. [Antwerp] 1595." Source: Abraham Ortelius, *Additamentum V to Theatrum Orbis Terrarum*, Antwerp, 1595, and later editions of the *Theatrum*.



11 * Teixeira. Iaponiae Insulae Descriptio. Antwerp, 1595.

14 * Barbuda. Chinae. Antwerp, 1584.



16 * Blaeu. China Veteribus. Amsterdam, 1635.



20 * Coronelli. Quantung e Fokien . . . China. Venice, 1696-7.

This is the first printed map of Japan to appear in an atlas. It remained the standard map for sixty years. Teixeira, a Portuguese Jesuit, was appointed cartographer to the Spanish Crown in 1569. There is a belief that this map was based on knowledge passed to the West through a Japanese map of the Jōrokujo style. Japan is delineated in a different representation than in Exhibit 3. The turtle shape has been abandoned, but the longer axis is still east and west.

Korea is shown as an island westward of Japan. Opinion as to the insularity or peninsularity of Korea was at that time unsettled as it was with Lower California on the other side of the Pacific.

12 * Coronelli, Vincenzo Maria, 1650-1718. "Isola del Giappone e Penisola di Corea. Dedicata al Molto Revdo. Pre. Fontaine della Compagnia di Gesù Assistente di Francia dal P. M. Coronelli, M. C. Cosmografo della Serma. Republica di Venetia." Source: Coronelli's *Isolario*, Venice, 1696-7. The longer axis of the islands is now shown northeast and southwest.

This exhibition includes seven maps of Coronelli, Exhibits 12 and 25, and five of China and its provinces. Exhibits 17, 18, 19, 20, and 21. Coronelli's work is distinctive and readily recognizable by his style: superb engraving, fine detail, many place-names, text notes, relief shown pictorially by drawings of small hills and mountains, and interesting illustrations. Each map is dedicated to a padre or a prominent person.

Coronelli, a Venetian, was appointed cosmographer to the Venetian Republic and taught geography at the university. He became famous as a theologian, mathematician, cartographer, and for the pair of large globes that he made for Louis XIV. Coronelli was prolific, having drawn and engraved over five hundred maps.

13 * Robert de Vaugondy, Didier, 1686-1766, and his son, Gillis, 1723-86. "L'Empire du Japon divisé en sept principales parties, et subdivisé en soixante et six Royaumes, Par le Sr. Robert Géog.



25 * Coronelli. Isole dell' Indie. Venice, 1696-7.

ord. du Roi. Avec Privilège. [Paris], 1750." Source: *Atlas Universel*, Paris, 1757.

CHINA

14 * Barbuda, Luis Jorge de. "Chinae, olim Sinarum regionis, nova descriptio. auctore Ludovico Georgio. Cum privilegio Imperatoris, Regis, et Brabantie; ad decennium: 1584." Source: Abraham Ortelius, *Additamentum III, Theatrum Orbis Terrarum*, Antwerp, 1584.

Ludovico Georgio was Barbuda. He was a Portuguese cartographer and also a spy for Spain. This is the first map of China to appear in an European atlas.

We are accustomed to looking at maps with north at the top. This map is oriented with north to the right; hence to view it in the customary manner it would have to be rotated, disregarding the placenames, and the right or north placed at the top.

15 * Mercator, Gerard, 1512-94. "China." Source: *Gerard Mercator's Atlas*, Amsterdam, Jodocus Hondius, 1606. The first edition of the *Atlas* published by Hondius who acquired the plates in 1604. Korea is depicted as an island; there is a representation of part of America in the top right corner.

Mercator's maps are original—he checked current knowledge and drew maps in his original conception, different from his contemporary, Abraham Ortelius, who based his maps on those already existing.

16 * Blaeu, William Janzoon, 1571-1638, and his son, John Blaeu, 1596-1673. "China Veteribus Sinarum Regio nunc Incollis Tame dicta." The map is dedicated to Theodore Bas by Guiljelms and Johannes Blaeu. Source: *Noëus Atlas*, Amsterdam, Guiljelms Blaeu, 1635. Includes Formosa and the Philippine Islands.

17 * Coronelli, Vincenzo Maria, 1650-1718. "Vnan, Qveichev, e Qvangsi provincie della China dedicata All Illmo. et Ecemo. Sigr. il Sigr. Cavalier Girolamo Zen, Sauiò Grande, dal P.M. Coronelli M.C. Cosmografo della Serma. Repvblica di Venetia." Source: Coronelli's *Isolario*, Venice, 1696-7.

18 * Coronelli, Vincenzo Maria, 1650-1718. "Xansi e Xensi provincie della China, dedicate All'Illustrissimo Signor Commendatore Fra Paolo Passionci . . . dal P. Cosmografo Coronelli." There are six lines of text describing the cities in each province. Source: Coronelli's *Isolario*, Venice, 1696-7.

19 * Coronelli, Vincenzo Maria, 1650-1718. "Parte Orientale della China, diuisa nelle sue Prouincie, e, dedicata al molto Rev. Padre Antonio Baldigiani della Compagnia di Gesù . . . dal P.M. Coronelli M.C. Cosmografo della Serma. Rep. di Venetia." Source: Coronelli's *Isolario*, Venice, 1696-7.

20 * Coronelli, Vincenzo Maria, 1650-1718. "Quantung, e Fokien, provincie della China, dedicata al Molto Reuerendo Padre Carlo Trigona della Compagnia di Gesù . . ." Source: Coronelli's *Isolario*, Venice, 1696-7.

21 * Coronelli, Vincenzo Maria, 1650-1718. "Chekiang, e Kiangsi, provincie della China, dedicate All'Illustrissimo Signore Marco Gradenico . . . dal P. Coronelli, Cosmografo della Serenissima Republica." Source: Coronelli's *Isolario*, Venice, 1696-7.

22 * Bowen, Emmanuel, fl. 1720-67. "A New & Accurate Map of China Drawn from Surveys made by the Jesuit Missionaries by Order of the Emperor . . . By Emman. Bowen." Source: [London, ca. 1752, atlas not identified]. At the top left there is a panel captioned "Advertisement" with 24 lines of text describing the surveys begun July 4, 1708 and finished January 1, 1717.

MALAYSIJA

- 23 * Dourado, Fernão Vaz, fl. 1568-1580. [Chart of portion of Malay Archipelago, including Borneo and Cambodia.] Source: exhibited in *Atlas de Fernão Vaz Dourado. Reprodução fidelíssima do exemplar da Torre do Tombo, datado de Goa, 1571.* (Porto, Portugal, Bibliotheca Historia de Portugal e Brasil, 1948.)
- 24 * Ortelius, Abraham, 1527-98. "Indiæ Orientalis Insularumque Adiacentium typvs. Cum Privilegio." Source: Ortelius, *Theatrum Orbis Terrarum*, Antwerp, 1570.
- 25 * Coronelli, Vicenzo Maria, 1650-1718. "Isole dell' Indie, diuise in Filippine, Moluche, e della sonda descritte, e Dedicare dal P. Coronelli, Cosmografo dell Serenissima Republica di Venetia, All' Illmo. Sig. Abbate Daniele Gradenigo Patritto Veneto Canonico di Padoua etc." Source: Coronelli's *Isolario*, Venice, 1696-7.

- 26 * Janssen, Jan, 1588-1664. "Insularum Moluccarum Nova descriptio. Amstelodami, Apud P. Schenk et G. Valk." ca. 1700. This was first issued in *L'Appendice de l'Atlas de Gerard Mercator et Lodovus Hondius*, Amsterdam, Henry Hondius, 1633, with the inscription, "Apud Ioannem Ianssonium." The plate was acquired by Petrus Schenk and Gerard Valk and the imprint altered.
- The Moluccas or Spice Islands in East Indonesia between the islands of Celebes and New Guinea export spices, especially nutmegs, mace, and cloves.

AUSTRALIA

- 27 * Colton, George Woolworth, 1827-1901. "Australia Published by J.H. Colton & Co. 172 William St. New York. Entered according to Act of Congress in the Year 1855. . . ." Source:

THE GRAND OCEAN — THE EAST & CATHAY

Colton's Atlas of the World, New York, J.H. Colton and Co., 1855. Australia is divided into five parts, with a key to the countries.

NEW ZEALAND

- 28 * Zatta, Antonio, fl. 1757-97. "La Nuova Zelanda trascorsa nel 1769 e 1770 dal Cook comandante dell' *Endeavour* vascello di S.M. Britannica. Venetia 1778 Presso Antonio Zatta. G. Zuliani inc. Pasquali scr." Source: *Atlante Noëssimo*, Venice, Antonio Zatta, 1775-99. Title is surrounded by a hand-colored engraving of a scene reminiscent of a tropical island. This map shows Cook's route, on his first voyage, around New Zealand.



This is publication number 8 of the Collection for the History of Cartography, California State University, Fullerton. One thousand copies have been printed. The design is by Sultana Press from a format established by Grabhorn-Hoyem Press, San Francisco. The type used is Mergenthaler's phototype Janson. The stock is Curtis Rag, natural color and Arlaid II Text Cover, green. Typography, printing, and binding by Sultana Press / Premier Printing Corporation, Fullerton.

COLLECTION FOR THE HISTORY OF CARTOGRAPHY - CSUF

COLLECTION FOR THE HISTORY OF CARTOGRAPHY, a Special Collection of the Library, California State University, Fullerton, had its beginning on October 22, 1971. It is a collection of maps and atlases from the earliest times through the nineteenth century, i.e. pre-1901, also support reference works.

Exhibitions of maps have been held in the University Library, as follows:

- 1) California & Other Early Maps Illustrating the History of Cartography, 1375-1873. November 19, 1971;
- 2) Noteworthy Maps & Charts, A.D. 1513-1774. March 27, 1973;
- 3) The Iberian Origin of the Americas, Maps & Charts, A.D. 1513-1851. April 15, 1974;
- 4) British Battle Plans, Maps & Charts of the American Revolutionary War, 1775-1793. October 20, 1975;
- 5) The English Origin of the Americas, Maps & Charts, 1486-1808. October 25, 1976;
- 6) The French Origin of the Americas, Maps & Charts, 1590-1898. October 24, 1977;
- 7) The Grand Ocean, The East & Cathay, Twenty-seven Maps, 1556-1855, plus one. April 17, 1979.

For each of these exhibitions there was published a fine press catalog, sponsored by the Patrons of the Library. The first was printed by Grahorn-Hoyem of San Francisco, the fourth by Plantin Press of Los Angeles, and the others by Premier Printing Corporation/Sultana Press of Fullerton. The last four are printed on Curtis Rag paper; all are illustrated with reproductions of maps.

CHC will send, gratis, to any library making a request to the curator on its official stationery, such catalogs as are required to complete the library's holdings, except the first which is out-of-print. CHC will also send future catalogs, as published, to any library requesting this service and supplying permanent mailing directions.

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COLLECTION FOR THE HISTORY OF CARTOGRAPHY
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Ernest W. Toy, Jr., Director of the Library
Linda E. Herman, Special Collections Librarian
Roy V. Boswell, Curator of the Collection (CHC)

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1974
- Kinder, Hermann, fl. 1964-
The Anchor atlas of world history / Hermann Kinder and Werner Hilgemann ; translated by Ernest A. Menze, with maps designed by Harald and Ruth Bukor. Garden City, N.J. : Anchor Books, 1974-78.
- 2 v. : col. ill., col. maps ; 19 cm.
Translation of DTV-Atlas zur Weltgeschichte.
Includes index.
CONTENTS.--v.1. From the Stone Age to the eve of the French Revolution.--v.2. From the French Revolution to the American Bicentennial.
1. Geography, Historical--Maps. I. Hilgemann, Werner. II. Title III. Title: DTV-Atlas zur Weltgeschichte. IV. Title: Atlas zur Weltgeschichte.
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1975
- United States. Environmental Data Service.
Weather atlas of the United States = originally titled Climatic atlas of the United States / U.S. Dept. of Commerce, Environmental Science Services Administration, Environmental Data Service. Detroit : Gale Research Co., 1975.
- 262 p. : chiefly maps ; 29 cm.
"The climatic maps in this atlas were prepared primarily by John L. Baldwin."
Reprint of the 1968 ed. published by the Service and sold by the Supt. of Docs., U.S. Govt. Print. Off.
1. United States--Climate--Maps. I. Baldwin, John L. II. Title. LC No. 74-11931
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1978
- Jackson, Kenneth T.
Atlas of American history / Kenneth T. Jackson, editor ; James Truslow Adams, editor in chief, original ed. Rev. ed. New York : Scribner, c1978.
- xv, 294 p. : maps ; 29 cm.
In earlier edition Adams' name appeared first on title page.
Includes index.
1. United States--Historical geography--Maps. I. Adams, James Truslow, 1878-1949. II. Title ISBN 0-684-15052-2 \$40.00 LC No. 77-76851

From jacket: The ATLAS has been designed particularly to be useful as an adjunct to Scribner's recently revised DICTIONARY OF AMERICAN HISTORY. In each map the user sees the area exactly as it was during the period under consideration. No locations appear which were not there at the time, nor are the historically important locations obscured by material which has no relevance to the subject of the map. Each map is so geared into those preceding and those following - both in area and in time - that, as the pages turn, the reader gets a comprehensive picture of our history. ...5,000 places indexed.

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1977
- Atlas of Michigan / edited by Lawrence M. Sommers. [East Lansing, Mich.] : Michigan State University Press : distributed by Wm. B. Eerdmans Pub. Co., 1977.
- xi, 242 p. : ill. (some col.), maps (chiefly col.) ; 31 cm.
Includes index.
Bibliography: p. 236-239.
1. Michigan--Maps 2. Michigan--Economic conditions--Maps
3. Michigan--Social conditions--Maps I. Sommers, Lawrence M.
LC No. 77-74637
- G
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1977
- Instituto Geográfico Nacional Tommy Guardia.
- Mapas de las areas de tierras y aguas para el funcionamiento y defensa del Canal de Panamá, referentes a los acuerdos para la ejecución de los artículos III y IV del Tratado del Canal de Panamá, firmado en Washington, D.C., el día 7 de septiembre de 1977, por Omar Torrijos Herrera, jefe de gobierno de la República de Panamá, y Jimmy Carter, presidente de los Estados Unidos de America = Maps of the land and water areas for the operation and defense of the Panama Canal ... / [edición preparada por el Instituto Geográfico Nacional "Tommy Guardia", Ministerio de Obras Públicas de la República de Panamá, y el Servicio Geodésico Interamericano de la Agencia Cartográfica de Defensa de los Estados Unidos de América]. [Panamá? : s.n., 1977?]
- [6] leaves, [54] leaves of plates : [54] maps (some fold., chiefly col.) ; 36 x 56 cm.
1. Canal Zone--Maps. 2. Panamá Canal. I. Defense Mapping Agency. II. Title: Mapas de las areas de tierras y aguas para el funcionamiento y defensa del Canal de Panamá. III. Title: Maps of the land and water areas for the operation and defense of the Panama Canal.
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- Guedes, Max Justo
- Anônimo : Antônio Sanches c.1633 (atribuição da autoria de uma carta náutica original da Biblioteca Nacional do Rio de Janeiro) / Max Justo Guedes. Rio de Janeiro : Ministério da Marinha, Serviço de Documentação Geral da Marinha, 1970.
- 11, [8] p., [11] leaves of plates : maps (1 fold. col.) ; 28 x 38 cm.
Includes bibliographical references.
1. Coasts--Brazil--Maps--To 1800. 2. Nautical charts--Brazil--To 1800. 3. Maps, Early--Facsimiles. 4. Brazil--Maps--To 1800. I. Sanches, Antônio II. Title
- G
1860
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1963
- Atlas van Nederland = Atlas of the Netherlands / samengesteld door de Stichting Wetenschappelijke Atlas van Nederland. 's-Gravenhage : Staatsdrukkerij- en Uitgeverijbedrijf, 1963-1977.
- [9] p., [98] fold. leaves of col. maps ; 59 x 40 cm.
Issued in parts.
Scale of principal maps 1:600,000.
Text, maps (part col.) on verso of fold col. maps.
Dutch and English. Includes bibliographies.
1. Netherlands--Maps. I. Netherlands (Kingdom, 1815-). Staatsdrukkerij-en Uitgeverijbedrijf. II. Stichting Wetenschappelijke Atlas van Nederland. III. Title: Atlas of the Netherlands.

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1923
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1972
- Rheinischer Städteatlas / Herausgeber Edith Ennen ; Bearbeiter Klaus Flink in Verbindung mit Martin Müller (Kartographie). Bonn : L. Röhrscheid Verlag, 1972-
portfolios : ill., maps (some col.) ; 40 cm. (Veröffentlichung - Institut für Geschichtliche Landeskunde der Rheinlande der Universität Bonn)
LIBRARY HAS: Portfolios 1-20.
Cover title.
Issued in parts.
Nos. 13- edited by Georg Droege.
Includes bibliographical references.
1. Cities and towns--North Rhine-Westphalia--Maps. 2. Cities and towns--North Rhine-Westphalia--History. 3. North Rhine-Westphalia--Maps. 4. North Rhine-Westphalia--History.
I. Droege, Georg. II. Ennen, Edith, 1907- III. Flink, Klaus. IV. Müller, Martin. V. Series: Bonn. Universität. Institut für Geschichtliche Landeskunde der Rheinlande. Veröffentlichung. LC No. 76-488198
- G
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1977
- Atlas de la République populaire du Congo / sous la direction de Pierre Vennetier et sous le patronage de Georges Laclavère ; introd. de Guy Lasserre. Paris : Éditions J. A., c1977.
64 p. : col. maps ; 30 cm. (Les Atlas Jeune Afrique)
On cover: République populaire du Congo.
Includes index.
1. Congo (Brazzaville)--Maps. I. Vennetier, Pierre. II. Title: République populaire du Congo. III. Series. LC No. 77-564163

NEWS NOTES (continued from page 232)

Karyl Tonge is the author of "Stanford University Libraries -- Central Map Collection", a one-page Library Profile in the Bulletin of the San Francisco Bay Region Chapter of Special Libraries Association, (Vol. 49, No. 5 - May/June 1979)(page 28). "Library Profile" is a regular feature of the Bulletin.

Chronicle is the quarterly newsletter of the National Commission for Cartography (Canada) published in affiliation with the Department of Geography, Carleton University. It coordinates the activities of the cartographic community as represented by the constituent organizations: Canadian Institute of Surveying; the Ontario Institute of Chartered Cartographers; the Canadian Cartographic Association; the Association of Canadian Map Libraries; and, the Canadian Association of Geographers. Editor is: Neil G. Grant, Department of Geography, Carleton University, Ottawa, Ontario, Canada K1S 5B6. Barbara E. Farrell, Map Librarian at Carleton, is Associate Editor.

The current issue (Vol. 4, No. 2, April 1979) is 16-pages 8½" x 5¼".

A FURTHER NOTE ON NEVADA'S SANBORN MAPS:*

Additional Holdings

by

Eric N. Moody

Instructor

Western Nevada Community College

Carson City

It is, of course, axiomatic that whenever one compiles any list or catalog which professes to be complete, that items not included will turn up as soon as the list appears. This happened with regard to the list of institutional holdings of Sanborn maps for Nevada communities which accompanied my article in the last issue of the WAML Information Bulletin.

While the Information Bulletin was being printed, an uncataloged collection of Nevada Sanborn maps turned up in the Special Collections Department of the University of Nevada, Reno, Library. Covering 21 communities, it consists of 25 sets of maps with 240 sheets, and was obtained several years ago from the Library of Congress. While it does not add any previously unknown or uncollected editions of maps to the list published in my previous article, the collection is, nonetheless, significant in that it contains a number of maps which are not elsewhere available within the State.

In connection with the availability of Nevada's Sanborn maps to researchers, it would be well to mention here that some Nevada libraries are obtaining microfilmed copies of maps whose originals they do not possess. The Nevada Historical Society, Reno, and the Special Collections Department, University of Nevada, Las Vegas, Library, are two depositories presently acquiring, or hoping to acquire, copies of maps.

Following is a list of Nevada Sanborn map holdings at the University of Nevada, Reno, Library (NvU):

Community	Year	No. of Sheets	Comments
Battle Mountain	1927	7	
Carlin	1927	5	
East Ely - <u>See:</u> Ely			
Elko	1912	8	
Ely	1912	11	Includes East Ely
	1923	11	Includes East Ely

* Mr. Moody's "Urban History in Fire Insurance Maps: Nevada as a Case Study" appeared in the March 1979 (Vol. 10, #2) Information Bulletin, pp. 129-138.

Community	Year	No. of Sheets	Comments
Fallon	1912	8	
	1923	13	
Gardnerville	1912	3	Includes Minden
	1923	3	
Goldfield	1909	8	
Gold Hill - <u>See</u> : Virginia City			
Las Vegas	1923	10	
Lovelock	1914	4	
	1923	7	
Minden - <u>See also</u> : Gardnerville	1923	2	
Reno	1918	64	
Rhyolite	1909	2	
Sparks	1912	10	
	1925	16	
Tonopah	1909	8	
	1917	15	
Verdi	1912	2	
Virginia City	1923	6	Includes Gold Hill
Wells	1914	2	
Winnemucca	1912	9	
Yerington	1923	6	

NEVADA SANBORN MAPS, 1885-1906, Available on Microfilm

Vlad Shkurkin, 6025 Rose Arbor, San Pablo, California 94806 (phone 415/232-7742, is the sole distributor of a collection of Sanborn maps of 21 Nevada communities (193 maps dated between 1885-1906) that he had microfilmed by the Library of Congress. Mr. Shkurkin is offering this collection for \$40., which includes postage and handling. The microfilm is 35mm, sprocketless, black & white. (ISBN 0-932732-02-X)

Inquiries should be directed to Mr. Shkurkin at the above address.

PUBLICATIONS OF RELEVANCE

Contributors: AB = Anna Blustein, University Research Library, UCLA
 RB = Robert Batchelder, University Library, University of
 Calgary, Calgary
 HO = Harold Otnes, Library, Southern Oregon State College,
 Ashland
 EP = *The Editor*
 JP = J. B. Post, Free Library of Philadelphia, Philadelphia, PA.

- American Geographical Society.
Current Geographical Publications. Volume 41, Number 11, December 1978.
 Commemorative Issue. Roman Drazniowsky, Editor.

EP

The Move to Milwaukee is the subtitle of this issue. The contents of
 its 94 pages are:

Preface, by William C. Roselle, Commemorative Issue Editor, (and the
 Director, The University of Wisconsin-Milwaukee Library.)
 Introduction, by Werner A. Baum, Chancellor, The University of Wisconsin-
 Milwaukee.
 Editor's Note, by Roman Drazniowsky, Editor, Current Geographical Pub-
 lications, (and, Curator, American Geographical Society Collec-
 tion of The University of Wisconsin-Milwaukee Library.)
 A New Home for the AGS Collection and CGP, by Roman Drazniowsky (sub-
 title: The American Geographical Society Collection: A Short
 History.)
 Wisconsin's AGS Effort, 1974 to 1978, by William C. Roselle, Director
 of the UWM Library.
 Report on The American Geographical Society Collection of The University
 of Wisconsin-Milwaukee Library, July 26, 1978 - October 1, 1978,
 by, William C. Roselle
 Moving the AGS Collection, by Gerald C. Hock, AGS Move Coordinator.
 The Move to Milwaukee, A Photo Essay, Photography by John Alley, Text
 by William C. Roselle and Jeane Knapp.
 The Morris Fromkin Memorial at The University of Wisconsin-Milwaukee
 Library, by Jeane Knapp.

This issue is a most-unusual one, in many respects: CGP regularly has
 only ten issues per volume - this constitutes Number 11 - but since its
 content is unusual it merits a special place; it documents a move that
 has been identified as "possibly the largest collection transfer in the
 annals of American academic librarianship", and a pictorial history of
 an event as rare in the history of map librarianship as the AGS Collec-
 tion itself.

Subscriptions to the Current Geographical Publications should be sent to:

American Geographical Society Collection of	\$25.00 per year
The University of Wisconsin-Milwaukee Library	\$ 3.00 single
P.O. Box 399	issue
Milwaukee, Wisconsin 53201	ATTN: Subscriptions CGP <i>Prepay</i>

- Anderson, Robert H., and Norman Z. Shapiro
 Design Considerations for Computer-Based Interactive Map Display Systems.
 HO A Report prepared for Defense Advanced Research Projects Agency.
 R-2382-ARPA, February 1979. Rand Corp. Santa Monica, CA 90406.

Recent developments in computer graphics and the continuing decline in the cost of electronics offer the possibility of creating interactive map display systems (IMDSs) having many of the advantages of traditional maps, but significant additional advantages as well.

These systems are not merely maps but are aids to geographic planning and problem-solving in the broadest sense.

- ATLAS OF CALIFORNIA. Compiled by Stuart Allan, Patricia Caro, Michael Donley, and Clyde Patton. Portland?, Pacific Book Center, October 1979.
 EP ISBN 0-9602544-0-4 LC No. 79-84439

11½ x 14½ inches, 200 pages of which there will be 160 pages of full-color maps.

The Information Bulletin Review Editor is planning for a review of this item when the Atlas becomes available.

- Bartholomew (John) and Son, Ltd.
 Bartholomew gazetter of Britain / compiled by Oliver Mason. 1st ed.
 AB Edinburgh, Scot. : J. Bartholomew, 1977.

xlviii, 271, 128 p. : ill., col. maps ; 30 cm.

The first edition of a completely new Gazetteer. An earlier work by J. G. Bartholomew was first published in 1904 under title: The survey gazetteer of the British Isles; and in 1966 as: Gazetteer of the British Isles.

- Blachut, T. J., A. Chrzanowski, and J. K. Saastamoinen
 Urban surveying and mapping. New York, Heidelberg, Berlin, Springer-
 EP Verlag, 1979. Springer-Verlag, 175 Fifth Ave., New York, NY 10010
 approx. 420 p. 161 illus. 2 four-color maps. \$29.80

Designed for professionals and students of surveying, mapping, civil engineering, and urban planning, ... is presented in simple terms and will be readily accessible to the non-specialist as well.

... covers all essential organizational schemes and basic operations: map projection systems, horizontal and vertical control nets, ground and aerial surveying and mapping techniques, utility surveys, cadastral surveys, urban maps, and basic considerations concerning the establishment of urban data banks.

- Canada. Geological Survey.
 Index to publications = Index des publications, 1959-1974 / P. J.
 AB Griffin. Ottawa : Geological Survey of Canada : available from
 Information Canada, 1975.

138 p. : fold. col. map ; 28 cm. English and/or French.

Map and Price List (7 p.) in pocket.

- Canada. Statistics Canada. 1976 Census of Canada: Agriculture Graphic Presentation. Ottawa, Statistics Canada, 1979? Catalogue number 96-871 \$6.00 in Canada, \$7.20 elsewhere. Publications Distribution, Statistics Canada, Ottawa, K1A 0T6

RB

Note: The Agriculture Graphic Presentation is not included in any sets of Census of Agriculture publications and should be ordered separately.

Topics of its 114 maps: number of farms, land use, farms by annual sales, farms by area of land, farms by products, field crops, horticultural crops, livestock and poultry, farm machinery and equipment, farm population, tenure and residence, off-farm work, age of operators, farm labour, values of land and buildings.

Data is from the 1976 Census of Agriculture.

- City Directories of the United States; a complete collection on microfilm. New Haven, Conn., Research Publications, Inc., 1979.

EP

By assembling and making available the city directories of some 220 different communities for the period up to 1861, and of 72 selected cities for the period 1861-1901, Research Publications, Inc., offers to scholarship the largest file in existence of information on 19th century U.S. city dwellers. The thousands of directories in this collection contain the names of at least ten million individuals -

Published in segments: Segment 1: Through 1860: on microfiche. Based on the *Bibliography of American Directories Through 1860* by Dorthea N. Spear, Worcester, 1961 \$6,100.; Segment 2: 1861-1881: on 35mm roll microfilm: 50 largest cities of the period, plus additional cities selected for balanced geographical representation \$9,000.; Segment 3: 1881-1901: on 35mm roll microfilm: a continuation of Segment 2 \$18,000. Complete collection, all segments \$30,240. (a reduction of 8.64% from the combined price). NOTE: Segment 1 is also available by State: e.g., California \$169.75

Research Publications will tailor a subscription or deferred payment plan to fit the purchaser's needs or budgetary requirements. Customer Order Department, 12 Lunar Drive, New Haven, CT 06525.

- California County and Regional Histories. New Haven, CT; Research Publications, Inc., 1979?

EP

Now complete on 35mm microfilm and available on order are 97 titles (103 volumes) of California county and regional histories. Complete collection including printed reel index ... \$650. Individual titles may be ordered but only complete reels will be furnished, therefore the purchaser may acquire more than one title on a reel of film. Xerox copies in soft cover-bound may be ordered, as well as catalogue cards.

A complete list of all titles in the set is available from the Publisher.

- California Water Atlas. Sacramento, State of California, 1979.

EP The Office of Planning and Research of the Governor's Office is responsible for this new atlas, and it is scheduled to appear on June 15th. The volume will contain 124 pages, 16 x 18 x 3/4 inches and is a very substantial seven pounds in weight.

\$37.50 list; \$42.25 prepaid checks payable to *State of California*:
Department of General Services, Publications Section, P.O. Box 1015,
North Highlands, CA 95660 Stock Number 0031-1070-3
\$40.00 for non-California residents (includes shipping charge only)

My telephone call to State offices could not establish for certain whether this Atlas will be distributed to Depository Libraries. The person(s) to whom I spoke indicated that it probably would be, but no one would say for sure.

- Ellis, Melvin Y., editor
Coastal Mapping Handbook. Cooperating organizations: U.S. Geological Survey, U.S. National Ocean Survey, U.S. Office of Coastal Zone Management, Washington, United States Government Printing Office, 1978.

EP

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 024-001-03046-2
LC Card No. 78-600000 \$5.25

11.5 x 9 inches, (8) 200 p. illus. Not available on depository.

Its principal objective is to provide general information and guidance; it is neither a textbook nor a technical manual, but rather a primer on coastal mapping.

This handbook should help planners and managers of coastal programs to determine their mapping requirements, select the best maps and charts for their particular needs, and to deal effectively with personnel who gather data and prepare maps. The sections on Sources of Assistance and Advice, and Product and Data Sources, should be especially useful to all involved in mapping the coastal zone. Brief summaries of the mapping efforts of several State coastal zone management programs are included.

For those interested in more technical detail than is provided, the Selected References will be useful.

- EUPOPA YEAR BOOK 1978: A World Survey. Europa Publications, 1979.
Distributed in Western Hemisphere by R. R. Bowker Co., 1180 Avenue of the Americas, New York, NY 10036

EP

Two volumes, 3,493 pages, 9.25 x 7.5 inches. ISBN 0-905118-20-0
LC No. 59-2942 \$94.50 per two-volume set

Complete political, economic, and historical information on every nation of the world; extensive coverage of the United Nations and all of its agencies, and international organizations.

- * Gibson, James R., editor
European Settlement and Development in North America: Essays on Geographical Change in Honour and Memory of Andrew Hill Clark.
 EP Toronto & Buffalo, University of Toronto Press, 1978.

viii, 236 p., 15 x 23 cm. CIP Cloth \$15.00 = ISBN 0-8020-5415-3
 Paper ISBN 0-8020-3357-1 f \$7.50

University of Toronto Department of Geography Research Publications 15.
- * Great Britain. Antarctic Place-Names Committee.
 Gazetteer of the British Antarctic Territory / Antarctic Place-Names
 AB Committee. Rev. ed. London : H.M. Stationery Off., 1977.

35, p. ; 30 cm. The Gazetteer of the British Antarctic Territory, South Georgia and the South Sandwich Islands, issued on 23 October 1962, and its three Supplements, has been superseded by two gazetteers listing place-names in the British Antarctic Territory and in the Falkland Islands Dependencies (South Georgia and the South Sandwich Islands) respectively.
- * Great Britain. Hydrographic Office.
 West coast of Scotland, north coast of Ireland ; tidal stream atlas /
 AB Hydrographic Department. Ed. 3. -- Taunton : Hydrographic Dept., c1973.

28 p. ; col. charts ; 30 cm. Cover title: Admiralty tidal stream atlas: North coast of Ireland, west coast of Scotland. NP 218.
- * Harvard Library of Computer Mapping. Laboratory for Computer Graphics,
 Harvard University, 48 Quincy Street, Cambridge, MA 02138
 EP

The 1979 Collection, six volumes: \$45 first vol., \$30 ea. add. vol.
 \$150. complete set

Management's Use of Maps: Commercial and Political Applications.

Mapping Software and Cartographic Data Bases

Urban, Regional & State Applications: plus a special section on cadastral systems

Computer Mapping in Natural Resources and the Environment, including applications of satellite-derived data

Computer Mapping in Education, Research, and Medicine

Thematic Map Design
- * Harwell, Richard B.
 EP In Tall Cotton: the 200 most important Confederate books, for the reader, researcher and collector. With a preface by E. Merton Coulter. Austin, Texas, Jenkins Publishing Company & Frontier America Corporation, 1979. Contributions to Bibliography Series, III.

82 p., illus., index. \$19.50

An annotated bibliography of compiler's selection of 200 works of scholarship and first-hand narratives.

- Leistner, O A
 Southern African place names / by O.A. Leistner & J. W. Morris.
 AB Grahamstown, South Africa : published jointly by the Cape Provincial
 Museums at the Albany Museum, 1976.
 5, 565 p. : ill. ; 25 cm. (Annals of the Cape Provincial Museums ;
 v. 12)
- "Nature to be commanded ... " : earth-science maps applied to land and
 water management / G. D. Robinson and Andrew M. Spieker, editors.
 AB Washington : U.S. Govt. Print. Off., 1978.
 iv, 95 p. : col. ill., col. maps ; 41 cm. (Geological Survey profession-
 al paper ; 950)
 At head of title: "Nature to be commanded must be obeyed."-- Francis
 Bacon, "Novum Organum," 1620. Bibliography: p. 93-95.
- Oppen, William A., compiler
 The Riel Rebellions: a cartographic history = Le récit cartographique
 EP des affaires Riel. Toronto & Buffalo, University of Toronto Press,
 1979.
 112 p. ; 31 x 23 cm. ISBN 0-8020-2333-9 \$20.00 CIP
- Orton, Richard H., compiler
 Records of California Men in the War of the Rebellion, 1861 to 1867.
 EP Sacramento, State Office, 1890. Republished by Gale Research Co.,
 1979.
 887 p. ISBN 0-8103-3347-3 \$45.00 CIP

Over 14,000 volunteers from the state of California who fought in the
 Civil War from 1861 to 1867 are listed in this register. Compiled by
 the Adjutant-General of California, Orton, in 1890. The full name,
 rank, place and date of enrollment, date of enlistment, date of muster,
 and other remarks for each individual are provided by Orton.
- Parker, J. Carlyle, compiler
 EP Personal name index to Orton's "Records of California Men in the War
 of the Rebellion, 1861 to 1867". Gale Genealogy and Local History Ser-
 ies, Vol. 5. Detroit, Gale Research Co., 1978.
 153 p. ISBN 0-8103-1402-9 \$22.00 CIP LC No. 78-15674

Parker is Head of Public Services and Assistant Library Director, Cal-
 ifornia State College, Stanislaus, and Founder and Librarian Volunteer,
 Modesto California Branch Genealogical Library of the Genealogical
 Department of the Church of Jesus Christ of Latter-day Saints.

The Orton work is difficult to use because it is arranged according to
 rank and/or company, rather than alphabetically by surname. Parker
 has provided an essential tool for the use of Orton.
- Petty, William, Sir, 1623-1687.
 AB Hiberniae delineatio. Shannon, Ire., Irish University Press, 1969.
 1 portfolio, 36 maps. Facsim. of 1st ed., Dublin, 1685. Accompanied
 by facsim. of undated 1st ed., London, of "Geographical description of
 ye kinédom of Ireland," by W. Petty and Francis Lamb.

- Rabbitt, Mary C
 EP Minerals, lands, and geology for the common defence and general welfare, Volume 1, before 1879. A history of public lands, federal science and mapping policy, and development of mineral resources in the United States. U.S. Govt. Print. Off., 1979. U.S. Geological Survey.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock Number 024-001-03151-5
 LC Card No. 76-50402

The first volume of the history of USGS.

- Regional Economic History Research Center. Map Project.
 JP Canals and railroads in the Mid-Atlantic Region. Wilmington, Delaware, (Regional Economic History Research Center/Eleutherian Mills-Hagley Foundation, Box 3630, Greenville, Wilmington, Delaware 19807), 1979.

Later this year the REHRC will publish a series of maps, with accompanying text, that illustrate the spread of canals and railroads in the Mid-Atlantic region from 1800 to 1860. Based on extensive research in state laws, legislative journals, annual reports, charters, surveys, printed and manuscript maps and field reconnaissance, the maps will be large (24 x 30 inches) on a scale of 1:1,000,000 and printed in four colors. The region covered by the maps includes Pennsylvania, Maryland, New Jersey, and Delaware as well as adjacent parts of Ohio, West Virginia, Virginia, and New York. These maps are the first published results of a continuing project which will eventually map the economic system of the region including, among other aspects, roads and turnpikes, post routes, and the location of industrial and commercial activities. The text will include an extensive bibliography listing the sources used in compiling the maps, including a large number of contemporary manuscript and printed maps.

A fuller description of the entire mapping effort underway will appear in Historical Methods (Summer 1979).

- Texts of treaties relating to the Panama Canal. [Washington] : Dept. of State, Bureau of Public Affairs, Office of Media Services, [1977]

AB

22 p. : maps ; 27 cm. (Selected documents - Department of State, Office of Media Services : no. 6A) Inter-American series ; 112
 Department of State Publication : 8912

- Thorndyke, Perry W., and Cathleen Stasz
 HO Strategies for map learning. P-6311 March 1979. Santa Monica, CA., Rand Corp., 1979.

Acquiring knowledge from a map depends upon a variety of processes for focusing attention, encoding information, and integrating knowledge of various types. This paper describes the heuristics people use to study and learn maps. Verbal protocols were obtained from three expert map users and five novice map users attempting to learn a map. A comparison of the performance of map-using experts and novices suggested that success in learning depended on the use of powerful heuristics and not on prior map-using expertise.

- Thorndyke, Perry W., and Cathleen Stasz
Individual differences in knowledge acquisition from maps.
HO A report prepared for Office of Naval Research. R-2375-ONR. January
1979. Santa Monica, CA., Rand Corp., 1979.

An analysis of the performance of map-using experts suggested that success in learning depended on strategies and not on familiarity with the task domain or materials. The implications of these results for training expertise in map learning are discussed.

- Tooley, Ronald Vere
Tooley's Dictionary of Mapmakers. Preface by Helen Wallis.
EP Tring, Herts, England, Map Collector Publications Ltd., 1979.

690 p., 7 x 10 inches, 91 illus. Information about 20,000 cartographers, engravers, and publishers active from earliest times until 1900. The present work is revised, expanded, and completed edition of the incomplete series of listings that appeared in the now discontinued Map Collector's Circle. \$120.00 ISBN 0-906430-05-4

- Upham, Warren, 1850-1934.
Minnesota geographic names; their origin and historic significance.
AB With an introd. by James Taylor Dunn. Reprint ed. [St. Paul] Minnesota
Historical Society, 1969.
xxiv, 788 p. port. 24 cm. (Publications of the Minnesota Historical
Society). Reprint of the 1920 ed. which was published as v. 17 of
the Collections of the Minnesota Historical Society.
LC No. 71-95570

- United States Board on Geographic Names
Foreign Names Decisions of the U.S. Board on Geographic Names.
EP No. 1, December 11, 1978. irregular
Defense Mapping Agency, Bldg. 56, U.S. Naval Observatory, Washington,
D.C. 20305

- U.S. Forest Service. California Region. Los Padres National Forest.
Monterey District.
EP Big Sur Coastal Land Management Plan. Goleta, CA., Los Padres
National Forest, 1978.

80 pp. ; 28 cm. illus., maps (some col.)

- U.S. Geological Survey. National Cartographic Information Center.
[List of] Approximate Number of Microfilm Rolls to Cover States [of
EP USGS Topo Quads in Historical File]. (Valid for USGS Topo Quads
Microfilmed Prior to October 1977). Compiled January 1, 1979.

53 pp. ; 28 cm. State by State list giving complete breakdown of Roll numbers, approximate number of frames on roll, beginning map name on each roll, and the coverage included in Border State(s) with same information. Example: Hawaii, total rolls: 2; 1972 and Prior; Roll No. 158; Approx. No. of Frames: 322; Beginning Map Name: Ahumoa; 1973 to September 1977; Roll No. 211; Approx. No. of Frames: 81; Beginning Map Name: Ahumoa; Border States: None.

GP 3.22/3-173/4

UNITED STATES GOVERNMENT PRINTING OFFICE
 SUPERINTENDENT OF DOCUMENTS
 WASHINGTON, D.C. 20402

SUBJECT BIBLIOGRAPHY (SB)

SB - 183
 January 2, 1979

NOTICE

Prices shown were in effect on the date indicated on this list. Government documents' prices are subject to change without prior notice. Therefore, prices in effect when your order is filled may differ from prices shown here. Since it is not possible to change prices shown in Government documents in print, the price printed in a document may differ from the price in effect when your order is processed.

GOVT PARS

APR 12 1979

SURVEYING AND MAPPING

UCSC LIBRARY
 SANTA CRUZ, CALIF.

- _____ Aerial Photographs in Geologic Interpretation and Mapping. Reprinted 1977.
 230 p. il. I 19.16:373 024-001-00523-9 \$ 5.25
- _____ Coastal Mapping Handbook. This publication provides general information
 and guidance with regard to the coastal mapping needs of state and local
 coastal zone planners. 1978. 199 p., 1 overlay il.
 I 19.15/3:C 63 024-001-03046-2 5.25
- _____ Control Leveling. Vertical control surveys (levelings) result in the
 establishment of numerous marked points (bench marks) for which the pre-
 cise elevations are known. This publication describes the process of
 control leveling. 1978. 20 p. il.
 C 55.13:NOS 73 NGS 8 003-017-00422-8 1.30
- _____ Elements of Map Projection With Applications to Map and Chart Construction.
 1931, reprinted 1972. 226 p. il., 15 maps.
 C 4.19:68/5 003-002-00095-1 7.80
- _____ Elements of Surveying. The basic principles and procedures of field
 surveying, as well as the care, use and adjustment of instruments are
 among the areas covered in this manual. 1971, reprinted 1976. 302 p. il.
 D 101.11:5-232/3 008-020-00388-3 5.00
- _____ Engineering and Related Occupations. Includes the employment outlook for
 surveyors. 1978. 23 p. il.
 L 2.3:1955-20 029-001-02087-2 .50
- _____ Engineering Field Tables. 1976. 186 p. il.
 A 13.84/2:7100-10 001-001-00417-1 2.45
- _____ Evaluation of Skylab (EREP) Data for Forest and Rangeland Surveys.
 Evaluates the usefulness of 1973-1975 data from the Skylab Earth Re-
 sources Experiment Package (EREP) in identifying forest, rangeland, non-
 forest, water, and forest stress as a first level of resource informa-
 tion. 1976. 74 p. il.
 A 13.78:PSW-113 001-001-00412-0 2.25
- _____ Geological Survey Research. Summary of recent significant scientific
 and economic results accompanied by a list of geologic and hydrologic
 investigations and a report on the status of topographic mapping.
 1973. 366 p. il. I 19.16:850 024-001-02461-6 5.30

Geological Survey Research cont'd

1974.	349 p. il.	I 19.16:900	024-001-02620-1	\$ 6.10
1976.	414 p. il.	I 19.16:1000	024-001-02941-3	5.50
1977.	411 p. il.	I 19.16:1050	024-001-03054-3	6.00
Implementation of Coastal Current-Mapping HF Radar System Progress Report 1. 1976. 64 p. il.				
		C 55.13:ERL 373-WPL 47	003-017-00389-2	1.70
Manual of Instructions for the Survey of the Public Lands of the United States, 1973. 1975. 333 p. il., 1 folded map.				
		I 53.7:973-2	024-011-00052-6	9.05
Supplements to Manual of Instructions:				
Ephemeris of the Sun, Polaris and Other Selected Stars With Companion Data and Tables for the Year 1979. 1978. 30 p. il.				
		I 53.8:979	024-011-00090-9	1.70
Restoration of Lost or Obliterated Corners and Subdivision of Sections. Prepared especially for county and local surveyors who must be familiar with the rectangular system of public land surveying. 1963, reprinted 1976. 40 p. il.				
		I 53.7:947/supp.963	024-011-00012-7	.75
Standard Field Tables and Trigonometric Formulas, 8th Edition. 1956, reprinted 1975. 245 p. il. Clothbound.				
		I 53.10:956	024-011-00030-5	5.85
Mapping, Agreement Between the United States of America and Iceland Signed at Washington Nov. 10, 1976; Entered Into Force Nov. 10, 1976. 1978. 6 p.				
		S 9.10:8756	044-000-91609-6	.60
Mapping, Charting and Geodesy, Agreement Between the United States of America and Canada Signed at Ottawa Aug. 24, 1976; Entered Into Force Aug. 24, 1976. 1978. 31 p.				
		S 9.10:8594	044-000-91447-6	1.30
Natural Sines and Cosines to Eight Decimal Places. 1942, reprinted 1973. 541 p. il. Clothbound.				
		C 4.19:231	003-002-00019-5	8.40
Numerical Mapping Methods to Reduce OMEGA Propagation Correction Tabulations. 1975. 30 p. il.				
		C 1.60/3:75-62	003-000-00474-1	.85
Programmed Text-Common Skills in Map Reading. 1975. 310 p. il.				
		D 103.109/2:M 32	008-020-00557-6	3.90
Reference Guide Outline Specifications for Aerial Surveys and Mapping by Photogrammetric Methods for Highways. 1969, reprinted 1972. 109 p. il.				
		TD 2.8:Ae 8	050-001-00001-6	2.00

Surveying and Mapping

- ___ Report of Federal Mapping Task Force on Mapping, Charting, Geodesy,
and Surveying. 1973. 198 p. il.
PrEx 2.2:F 31/2/973 024-001-02426-8 \$ 8.45
- ___ Selected Bibliography on Maps and Mapping. 1974. 8 p., folder.
I 19.14/2:M 32/9 024-001-02566-3 .35
- ___ Senegal River Basin Survey and Mapping, Agreement Between the United
States of America and the Organization Pour la Mise en Valeur du
Fleuve Senegal Signed at Dakar Aug. 31, 1976; Entered Into Force
Aug. 31, 1976. 16 p.
S 9.10:8779 044-000-91632-1 .90
- ___ State Plane Coordinates by Automatic Data Processing. Provides tech-
nical information for computing plane coordinates on electronic data
processing equipment to create maps of the individual States of the
U. S. and its territories. 1968, reprinted 1973. 68 p.
C 4.19/2:62-4 003-002-00109-4 2.40
- ___ Surveying Our Public Lands. 1969. 16 p. il.
I 53.2:P 96/7/969 024-011-00007-1 .35
- ___ Survey of the McDonald Observatory Radial Line Scheme by Relative
Lateration Techniques. During May and June 1977, a survey was per-
formed in the vicinity of the University of Texas McDonald Observa-
tory to detect any displacement of the observatory relative to prom-
inent topographic features within about 100 km. This paper contains
results of the survey and of the new survey technique employed. 1978.
34 p. il. C 55.13:NOS 74 NGS 9 003-017-00423-6 1.60
- ___ Surveys and Surveyors of the Public Domain, 1785-1975. 1976. 228 p. il.
I 53.2:Su 7/785-975 024-011-00083-6 4.25
- ___ Tables for a Polyconic Projection of Maps and Lengths of Terrestrial
Arcs of Meridian and Parallels Based Upon Clark's Reference Spheroid
of 1866. 1953, reprinted 1973. 189 p. il.
C 4.19:5/4 003-002-00152-3 3.00
- ___ Three-Dimensional Maps, An Annotated List of References Relating to the
Construction and Use of Terrain Models. 1964, published 1965. 38 p.
LC 5.2:T 41/964 030-004-00005-1 .85
- ___ Topographic Maps. Describes and defines the essential parts of topo-
graphic maps - the symbols, uses, origins and printing processes used
to make each map. 1976. 28 p. il.
I 19.2:T 62/6/976 024-001-02793-3 .80
- ___ Topographic Maps: Silent Guides for Outdoorsmen. 1975. 6 p. il.
I 19.2:T 62/5 024-001-00231-1 .50
- ___ Topographic Maps: Tools for Planning. 1976. 15 p. il.
I 19.2:T 61 024-001-02047-5 .35
- ___ Water Capsule Report: Water Well Location by Fracture Trace Mapping.
Being printed 024-000-00849-5 .90

Why Survey From Space? This publication discusses the importance of making photographic surveys from aircraft or spacecraft, and suggests how the resulting data can be used. 1975. 8 p. 11.

NAS 1.20:NF-57

033-000-00619-5

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FORTHCOMING MEETINGS & WORKSHOPS

- May 16-19, 1979 An Introduction to Carto-Bibliographical Description
 School of Continuing Studies, University of Toronto, in cooperation with the Faculty of Library Science, Toronto
 Instructor: Dr. Coolie Verner
 \$150
- NOTE: This course was cancelled.
- This course will provide an introduction to the procedures employed in research and to the rules for preparing detailed descriptions of old maps. This will include a study of the elements that must be included in a description as well as the analysis of changes to a map plate during its use. These factors will be applied to maps printed from wood-blocks, copperplates, and lithography.
- May 14-25, 1979 Map Librarianship Workshop
 Brigham Young University/Departments of Geography and Library Science and Division of Continuing Education, Provo, Utah
 Instructor: Richard W. Stephenson
 \$295. {not incl. housing and meals} - {\$113.50 room & meals}
- Map Librarianship and History of Cartography in all their aspects are covered. Credit in Library Science and Geography offered.
- May 23, 1979 Education and Continuing Education in Cartography
 National Cartographic Day at Royal York Hotel, Toronto, sponsored by the Association of Canadian Map Libraries, National Commission for Cartography, Canadian Cartographic Association, et al.
 No Registration Fee
- Participants: D.R.F. Taylor
 R. Groot
 C. Koeman
 M. Coulson
 D. Jupe
 H. Stibbe
- June 10-17, 1979 Sir Francis Drake & The Famous Voyage 1577-1580
 An international conference honoring the 400th Anniversary of Drake's Sojourn in California.
 Sponsors: The Sir Francis Drake Commission, State of California, and, The UCLA Center for Medieval and Renaissance Studies
- Programs in Los Angeles area, and San Francisco area. The schedule is as follows:

Los Angeles Area

Sunday, June 10 5:00 - 10:00 pm Westwood Holiday Inn: Registration and Reception

Monday, June 11 10:00 - 11:30 pm Huntington Library:
 Norman J.W. Thrower, UCLA, Opening Remarks
 John H. Parry, Harvard University, Aims and Accomplishments of the Voyage
 David B. Quinn, Hakluyt Society, "The Famous Voyage" and Hakluyt

2:30 - 4:00 pm Luncheon and Exhibition
 Lacey B. Smith, Northwestern University, Elizabethan England
 David W. Waters, National Maritime Museum, Greenwich, Elizabethan Navigation

Tuesday, June 12 10:00 - 11:30 pm UCLA Faculty Center
 Michael J.B. Allen and Will Jewkes, Drake in Literature
 William A. Lessa, UCLA, Drake in the South Seas

2:30 - 4:00 pm Luncheon- UCLA Research Library Exhibition
 Kenneth R. Andrews, University of Hull, Political Impact of Drake's Voyage
 Antony R. Orme and Amalie J. Brown, UCLA, Four Centuries of Coastal Change in California

5:00 - 7:30 pm The J. Paul Getty Museum, Malibu - Reception

San Francisco Area

Wednesday, June 13 5:00 - 10:00 pm Sir Francis Drake Hotel: Registration and Reception

Thursday, June 14 10:00 - 11:30 am International House - UC Berkeley
 Crispin Gill, Editor, The Countryman, Drake and Plymouth
 Alex A. Cumming, Director, Museums, S.W. England, Buckland Abbey

3:00 - 4:30 pm Luncheon - Society of California Pioneers, San Francisco

V. Aubrey Neasham & Robert H. Power, Sir Francis Drake Commission, Drake on the Pacific Coast

4:30 - 6:30 pm Reception and Film Presentation

Friday, June 15 10:00 - 4:00 pm San Quentin/Novato: Field Trip and Picnic
 Robert H. Power, Sir Francis Drake Com. Lunch
 Charles Slaymaker, UC Davis
 Donald C. Pike

6:00 - 8:00 pm California Academy of Sciences: Reception and Exhibition

Saturday, June 16 10:00 am - 4:00 pm Drake's Bay and Bolinas Bay, Field Trip
 Benjamin Draper, Ethel S. Crockett & Lunch
 Donald R. Thieler, Raymond Aker, and
 V. Aubrey Neasham - Sir Francis Drake Commission

9:00 pm - 1:00 am British Commonwealth Assn, H.M. The Queen's Ball at The Fairmont Hotel

- Sunday, June 17 10:00 am Oakland Museum - Opening of British Library Exhibit
The Famous Voyage of Sir Francis Drake, 1577-1580
- 11:00 am Marin Coast Chamber of Commerce
Public Celebration at Drake's Bay
- 1:00 pm Luncheon - Oakland Museum/Field
- 3:00 pm The Bancroft Library - Reception and Exhibition
Speaker: David B. Quinn
- 5:30 pm Grace Cathedral - San Francisco
Parade: Royal British Legion
Concert: The Sixth U.S. Army Band
Lord Bishop of London
Festival Evensong and Solemn Te Deum
- 8:00 pm Sir Francis Drake Hotel - Banquet
Speaker: Helen M. Wallis, Map Librarian, British Lib.
The Cartography of Drake's Voyage
Norman J.W. Thrower - Closing Remarks

UCLA and the California Academy of Sciences will mount jointly an exhibit
"From Drake to Cook: Two Centuries of British Discovery in the Pacific"

Assistance from the above institutions and grants from the National Endowment
for the Humanities made the program possible.

Further information and reservations made be obtained from the Center for Med-
ieval and Renaissance Studies, University of California, 405 Hilgard Avenue,
Los Angeles, California 90024

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June 12 - 15, 1979

International Map Seminar and Exhibition - CSIR Conference Centre
Pretoria, South Africa

- June 12 Workshop Dr. H. J. Aschenborn, State Library, Pretoria; Welcome
Dr. Hugo L.P. Stibbe, National Map Collection, Canada;
Cataloguing of maps
Mr. C. Merrett, Architectural Library, University of Cape
Town; Classification of maps
Hon. W.A. Cruywagen, Minister of National Education;
Official Opening of Seminar
Dr. I. Norwich, Chairman, Friends of the Library of the
University of the Witwatersrand, Johannesburg;
Maps of Africa through the ages; the Cartography in
slides
- June 13 Workshop Miss J. Wilcocks, Dept. of Geography Library, University
of the Witwatersrand, Johannesburg; Index maps: their
compilation and use as a library holdings and retrieval
device
Panel Discussion: The physical care of maps
Visit to the State Library, Pretoria
- June 14 Seminar Mr. H. Fullard, Director of Cartography, George Philip & Sons,
London
Prof. H. Steward, Graduate School of Geography, Clark Univ.,
Worcester, Massachusetts; Cartographic knowledge and the
Map Librarian

- June 14 Seminar (continued)
- Dr. L. Zögener, Director of the Map Division, Staatsbibliothek, Berlin: Planning and establishment of a map library
 - Dr. Hugo L.P. Stibbe: Computerisation of map collections
 - Mr. W. C. Watson, Assistant Director, Office of the Director-General of Surveys, Pretoria: Trends in map production
 - Mr. T. van der Nest, Pretoria: Microfilming maps
 - Captain A. Teixeira da Mota, a Portuguese scholar: Ancient Portuguese maps in the collection of Groote Schuur
 - Presentation of colour micropublication of Portuguese maps
- June 15 Seminar
- Captain A. Teixeira da Mota: Ancient Portuguese cartography
 - Miss E.C. Liebenberg, Department of Geography, University of South Africa, Pretoria: Topographic maps of South Africa, 1879 - 1979
 - Mr. H. Wirth, Qualified restorer, University of Stellenbosch: Preservation and restoration of maps
 - Drive to Johannesburg, where delegates will be able to view one of the following map collections:
 - The Africana Library
 - The Gubbins Collection, University of the Witwatersrand
 - Dr. I. Norwich's private collection
 - Mrs. R.E. Albrecht's private collection

PUBLICATION OF ANCIENT PORTUGUESE MAPS ON COLOUR MICROFICHE

One of the highlights of the Seminar will be the release of a publication of ancient Portuguese maps on colour microfiche. These maps were re-discovered some time ago in the Prime Minister's Library at Groote Schuur by Mrs. B.J. Vorster and the librarian of Groote Schuur. They form part of two volumes of valuable old maps and charts which were acquired by Cecil Rhodes.

These two volumes, lettered Africa and Asia respectively, contain mainly engraved maps and views extracted from various rare works, and date from 1580-1740. The two volumes also, however, contain 46 Portuguese manuscript maps on the coastlines of Africa and Asia from Barbary to Japan, all illuminated on vellum, as well as 17 small, hand-drawn plans of cities and fortresses of the East traced with pen on paper, and coloured. These Portuguese maps and plans date from the latter half of the seventeenth century.

A microfilm of the Portuguese maps was made at the University of Cape Town, and Captain A. Teixeira da Mota, an outstanding Portuguese scholar of historical cartography, was approached with a request to undertake a special study of these maps on the basis of the microfilm. His report was presented to the Centro de Estudos Marinha in July 1977.

With the co-operation of the persons involved, the State Library will publish a colour microfiche edition of the Portuguese maps. Captain Teixeira da Mota has kindly granted permission for an English translation of his report to be used as the introduction to this publication.

Enquiries: The State Library (International Map Seminar) P.O. Box 397, Pretoria, 0001 South Africa. Information above is from the Second Announcement April 1979.

ASSOCIATION
OF
CANADIAN MAP LIBRARIES

13th ANNUAL CONFERENCE

Brock University
From May 23 to 26, 1979

ASSOCIATION
DES
CARTOTHÈQUES CANADIENNES

13e CONGRÈS ANNUEL

Université Brock
Du 23 au 26 Mai, 1979

PRELIMINARY

PROGRAMME

WEDNESDAY, MAY 23

- 3.00- 8.00 **Registration**
DeCew Residence
- 8.00- **Icebreaker Reception**, hosted by the
President of Brock University
Faculty Club

12.00- 1.30 **Lunch**
Carousel Lounge

1.30- 4.30 **PAPER SESSION 2:**
Maps for the Blind and
Partially Sighted
Thistle 245

Chairman: to be announced

THURSDAY, MAY 24

- 8.00- 9.00 **Registration**
Thistle Corridor
- 8.45- 9.15 **Official Welcome**
Thistle Theatre
- Dr. A. J. Earp, President of
Brock University
- Thomas Nagy, President of
the ACML

Map Library,
Department of Geography,
Brock University,
St. Catharines, Ontario,
Canada L2S 3A1

Dr. Dayton M. Forman, Canadian
National Institute for the Blind:
Maps for "The Blind"

Roger L. Barnes, Queen's
University: *Tactical Maps - The*
State of the Art

Dr. Susan Lederman, Queen's
University: *Tactical Mapping from*
the Psychologist's Viewpoint

- 9.15-12.00 **PAPER SESSION I:**
The 150th Anniversary
of the Welland Canal
Thistle Theatre

Chairman: Dr. J. N. Jackson,
Brock University

Dr. A. F. Burghardt, McMaster
University: *Tumpike to Towpath*
to Sail - the Transportational
Evolution of the Early 19th
Century

Alex Ormston, St. Catharines
Historical Museum: *The*
Development of the Four
Welland Canals, as Illustrated by
Surveys, Maps and Plans

Larry J. Murphy, Author of
"Thomas Keefer": *At Least*
Noah's Ark Will Fit - Keefers
and Canals of Canada

- 12.00- 1.30 **Lunch**, hosted by the Government
of Ontario
Carousel Lounge

- 1.30- 3.30 **Business Meeting**
Thistle 245

- 4.30- **Field Trip and Theatre Visit**

4.30- 7.00 **Map Library Open House**
Geography C-207

7.00- 8.00 **Reception**
Pond Inlet Refectory

8.00- **Annual Banquet**
Pond Inlet Refectory

SATURDAY, MAY 26

9.30- 9.45 **Registration**
Thistle Corridor

9.45-12.00 **REPORTS SESSION**
Thistle 245

Chairman: to be announced

Federal Surveys and Mapping
Branch - George Falconer

Ontario Surveys and Mapping
Branch - J. A. Haddon

National Map Collection -
Betty Kidd

Archives of Ontario - William
Ormsby

FRIDAY, MAY 25

- 8.00- 9.00 **Registration**
Thistle Corridor

- 9.00-12.00 **SURVEYING WORKSHOP**
DeCew Campus

Coordinator: L. M. Sebert,
Department of Energy, Mines
and Resources

12.00- 1.30 **Lunch**
Carousel Lounge

1.30- 3.30 **ROUND TABLE DISCUSSION:**
Coping with the Cutbacks
Room: to be announced

Moderator: Kate Donkin, McMaster
University

4.30- **Trip to Niagara Falls**

THE UNIVERSITY OF FLORIDA
 THE UNIVERSITY LIBRARIES
 GAINESVILLE, FLORIDA 32611

May 3, 1979

DEPARTMENT OF
 REFERENCE AND BIBLIOGRAPHY
 Map Library

Dear Colleague,

The XXIV meeting of the Seminar on the Acquisition of Latin American Library Materials (SALALM) will be held June 17-22, 1979 in Pasadena, California. The theme of the Seminar is "Caribbean Research and Resources in Europe and the Americas" and will contain a session of interest to map librarians. A special workshop/roundtable on Latin American Map acquisitions is planned for Tuesday June 19th from 2:00-3:30 PM. The purpose of the session is to provide a forum for discussing problems in acquiring Latin American maps and for the exchange of information. To stimulate discussion a series of speakers will present short papers. The probable panel will be:

1. "Value of the Map as an Information Source in Latin American Research". John Hebert, Hispanic Division Library of Congress.
2. "Problems in Acquiring Latin American Maps". James Minton, Map Librarian, University of Michigan.
3. "Latin American Map Acquisitions; A Positive View". (tentative)
4. "Latin American Bookdealers' Thoughts on Map Acquisitions".
 (Speaker to be announced)

The meeting will be held at the Huntington Sheraton Hotel in Pasadena. Registration is \$25.00 SALALM member and \$35.00 non-member. If you register the price includes preprints of all papers. Registration and payment is to be sent to: Barbara G. Cox, Latin American Center, Bunche Hall 10349, University of California Los Angeles, Los Angeles, CA. 90024. Registration will be held Sunday and Monday 9:00AM-5:00PM.

Accommodations can be obtained at a special rate at the Huntington Sheraton Hotel. Singles \$28.00 plus tax
 Doubles \$35.00 plus tax
 Make reservations directly to the hotel.

Tentatively there is to be another map paper to be presented at the 9:00-10:30 AM session on Latin American Map Resources in United States Libraries.

Everyone interested in acquiring Latin American maps is encouraged to attend the workshop/roundtable so we may discuss our mutual problems and assist each other. It should be beneficial for librarians as well as bookdealers. If you have any questions about the program you may reach me at (904) 392-0803.

Dr. HelenJane Armstrong
 Map Librarian
 University of Florida

HA:me



- Summer 1979 Ninth Annual Library Institute at the University of California, Santa Cruz
- July 6-7 The New Librarian: law libraries/opportunities for placement: Dan Henke, Prof. of Law and Director of law library at UC Berkeley Hastings College of Law
\$85.
- The New Librarian Betty W. Taylor, Director, University of Florida, Legal Information Center: The New Place of the Library in the Community
The New Library Organization/catalogs and the new media/ the new technology: Mortimer D. Schwartz, Director, Law Library, University of California, Davis
- July 29-August 3 Susan Spring Wilson, B.A., Bookbinder and Bookbinding Editor of Fine Print; Fellow of the Designer Bookbinders (of England).
\$160
Introduction to Bookbinding
No previous experience with bookbinding is necessary.
- August 3-4 Larry and Jane Booth, curators, San Diego Historical Society
\$80
Photographs: Collecting, Preserving, and Exhibiting
Topics will include the philosophy of preservation.
- August 10-11 Paul N. Banks, conservator, the Newberry Library, Chicago
\$90
Environmental Protection of Library and Archive Collections
Control of environmental conditions is thus far the most important (and cost-effective) single thing that can be done to preserve library and archives collections, at least until proven mass preservation treatments are available. This seminar will deal with the measures required to deal with the environment.
- August 11-12 Betty Lou Beck, M.F.A., an exhibiting bookbinder, and operator of the Ambertree Bindery in San Francisco.
\$160
Intermediate Bookbinding
A continuation class for those who have taken the Beginning Bookbinding .
- August 25 Terence Crowley, Ph.D., associate professor, Division of Library Science, San Jose State University
\$50
New Careers for Librarians
A survey of alternative markets.

If there are questions regarding these programs, or for Credit, and enrollment contact Jeanne Ragan, University of California Extension, Santa Cruz, CA 95064 (408) 429-4534. A brochure describing the programs, and other information, is also available.

Forthcoming Meetings & Workshops (continued on page 291)

SANBORN FIRE INSURANCE MAPS
OF COMMUNITIES IN MISSOURI

Housed in the Elmer Ellis Library
University of Missouri at Columbia

Compiled by Karl H. Proehl*

ADRIAN, Bates	ASH GROVE, Greene	BELTON, Cass
1894	1893	1893
1900	1896	1898
1906	1902	1907
1914	1910	1914
1924	1921	
	1931	BERNIE, Stoddard
AGENCY, Buchanan		1914
1922	ASHLAND, Boone	1927
	1922	
ALBANY, Ray		BERTRAND, Mississippi
1886	ATLANTA, Macon	1911
1892	1918	1919
1900		
1909	AURORA, Lawrence	BETHANY, Harrison
1916	1892	1892
1926	1897	1900
	1902	1909
ALTON, Oregon	1908	1916
1923	1914	1928
	1927	
ANDERSON, McDonald		BEVIER, Macon
1920	AUXVASSE, Callaway	1917
1928	1902	
	1910	BILLINGS, Christian
APPLETON CITY, St. Clair	1925	1921
1885		1934
1891	AVA, Douglas	
1896	1914	BIRCH TREE, Shannon
1902	1925	1912
1910	1935	
		BISMARCK, St. Francois
ARCADIA, Iron	BAKERSFIELD, Ozark	1915
see Ironton	1912	1927
	1923	
ARLINGTON, Phelps		BLACKWATER, Cooper
1914	BARIAN, Knox	1921
	1923	
ARMSTRONG, Howard		BLAND, Gasconade
1917	BELLE, Maries and Osage	1914
1928	1914	1922
	1927	

* Mr. Proehl is Map Librarian at The Pennsylvania State University, University Park, Pennsylvania. He did his library degree work at the University of Missouri, Columbia, and was a student assistant in the Map Collection. He compiled this list for the librarian in charge of the Geography-History-Philosophy Library in the Ellis Library.

BLOOMFIELD, Stoddard	BROOKFIELD, Linn	CABOOL, Texas
1910	1885	1925
1919	1893	1930
	1898	
BLUE SPRINGS, Jackson	1905	CALHOUN, Henry
1927	1911	1893
	1924	1898
BOGARD, Carroll		1909
1917	BROWNING, Linn & Sullivan	1927
	1915	
BOLIVAR, Polk	1932	CALIFORNIA, Moniteau
1894		1885
1900	BROWNSVILLE, Saline	1892
1909	1883	1898
1928		1908
	BRUNSWICK, Chariton	1917
BONNE TERRE, St. Francois	1885	1930
1894	1893	
1900	1899	CALLAO, Macon
1908	1911	1928
1915	1928	
1927		CAMERON, Clinton &
	BUCKLIN, Linn	1885 DeKalb
BOONVILLE, Cooper	1902	1891
1885	1910	1897
1892	1915	1906
1900	1917	1913
1910	1924	1925
1917	1931	1932
1929		
	BUCKNER, Jackson	CAMPBELL, Dunklin
BOWLING GREEN, Pike	1917	1911
1886	1924	1923
1890		
1895	BUFFALO, Dallas	CANTON, Lewis
1902	1905	1884
1909	1917	1890
1929	1931	1896
		1909
BRANSON, Taney	BUNCETON, Cooper	1917
1913	1917	
1926		CAPE GIRARDEAU, Cape
	BURLINGTON JUNCTION,	1884 Girardeau
BRASHEAR, Adair	1886 Nodaway	1893
1914	1892	1900
1924	1900	1908
	1909	1915
BRAYMER, Caldwell	1916	1923
1928	1928	1931
BRECKENRIDGE, Caldwell	BUTLER, Bates	CARDWELL, Dunklin
1893	1885	1911
1898	1892	1928
1909	1898	
1916	1907	
	1914	
	1926	

CARROLLTON, Carroll

1883
1888
1893
1899
1909
1916
1927

CARTHAGE, Jasper

1884
1888
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1897
1902
1909
1925

CARUTHERSVILLE, Pemiscot

1900
1906
1911
1919
1928

CASSVILLE, Barry

1902
1914
1931

CENTRALIA, Boone

1893
1899
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1914
1925

CHAFFEE, Scott

1911
1927

CHAMOIS, Osage

1920

CHARLESTON, Mississippi

1886
1893
1900
1911
1919
1927

CHILHOWEE, Johnson

1916
1923

CHILLICOTHE, Livingston

1885
1890
1896
1901
1909
1916
1927

CLARENCE, Shelby

1893
1900
1909
1916
1930

CLARKSBURG, Moniteau

1922

CLARKSVILLE, Pike

1886
1893
1900
1909
1930

CLEVER, Christian

1917
1922

CLIFTON HILL, Randolph

1924

CLINTON, Henry

1885
1891
1896
1902
1909
1918
1928

COLE CAMP, Benton

1913
1930

COLUMBIA, Boone

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1890
1895
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1908
1914
1925
1931

CONCEPTION JUNCTION,
Nodaway

1914
1928

CONCORDIA, Lafayette

1886
1892
1900
1909
1922

CONWAY, Laclede

1916
1927

CORDER, Lafayette

1916

CORNING, Holt

1916

COWGILL, Caldwell

1922

CRAIG, Holt

1900
1911
1926

CRANE, Stone

1917
1927

CREIGHTON, Cass

1917
1929

CROCKER, Pulaski

1915
1927

CRYSTAL CITY see
Fetus-Crystal City

1894

CRYSTAL CITY, Jefferson

1908
1915
1926

CUBA, Crawford

1933

ELDON, Miller

1913
1920
1931

ELDORADO SPRINGS, Cedar	FESTUS, Jefferson	GALLATIN, Daviess
1889	1894	1886
1894	1908	1893
1900	1915	1898
1906	1926	1905
1914		
1926	FLAT RIVER, St. Francois	GALLTIN (partial)
	1908	1921
ELSBERRY, Lincoln	1915	1928
1906	1927	
1913		GALT, Grundy
1917	FLEMINGTON, Polk	1915
1927	1917	1928
	1923	
ELVINS, St. Francois		GARDEN CITY, Cass
1926	FOREST CITY, Holt	1913
	1900	
ENTERPRISE, Clarke	1911	GENTRY, Gentry
1900	1928	1909
		1916
ESSEX, Stoddard	FRANKFORD, Pike	
1920	1896	GIBBS, Adair
	1902	1923
EXCELSIOR SPRINGS, Clay	1909	
1894	1917	GILMAN CITY, Harrison
& Ray		1927
1900	FREDERICKTOWN, Madison	
1905	1886	GLASGOW, Howard
1909	1893	1885
1913	1900	1893
1926	1908	1900
	1914	1910
EXETER, Barry	1927	1922
1914		1935
1923	FREEMAN, Cass	
	1923	GOLDEN CITY, Barton
FAIRFAX, Atchison		1894
1916	FULTON, Callaway	1900
1924	1884	1910
	1890	1918
FAIRVIEW, Newton	1895	1939
1923	1902	
	1910	GOWER, Clinton and
FARMINGTON, St. Francois	1917	1917 Buchanan
1894	1930	1922
1900		
1908	GAINSVILLE, Ozark	
1914	1912	GRANBY, Newton
1927		1894
	GALENA, Stone	1902
FAYETTE, Howard	1924	1914
1885		1930
1889		
1894		GRANDIN, Carter
1902		1922
1910		
1925		

GRANT CITY, Worth	HAYTI, Pemiscot	HUMPHREYS, Sullivan
1894	1927	1923
1900	1951	
1909		HUNNEWELL, Shelby
1916	HERCULANEUM, Jefferson	1924
1928	1908	
	1915	HUNTSVILLE, Randolph
GREEN CASTLE, Sullivan	1924	1884
1917		1893
	HERMANN, Gasconade	1899
GREEN CITY, Sullivan	1892	1910
1917	1898	1916
1928	1908	1925
	1917	
GREENFIELD, Dade		IBERIA, Miller
1885	HIGBEE, Randolph	1921
1892	1893	
1900	1900	INDEPENDENCE, Jackson
1910	1910	1885
	1933	1892
HALE, Carroll		1898
1914	HIGGINSVILLE, Lafayette	1907
1928	1886	1916
	1892	1926
HAMILTON, Caldwell	1900	
1893	1909	IRONTON, Iron
1898	1929	1886
1901		1893
1909	HOLDEN, Johnson	1900
1916	1885	1908
1932	1892	1914
	1898	1927
HANNIBAL, Marion & Ralls	1907	1951
1885	1914	
1890	1931	JACKSON, Cape Girardeau
1899		1895
1906	HOLT, Clay and Clinton	1901
1913	1928	1908
		1921
HARDIN, Ray	HOPKINS, Nodaway	
1931	1894	JACKSONVILLE, Randolph
	1900	1924
HARRIS, Sullivan	1913	1931
1916	1928	
		JAMESPORT, Daviess
HARRISONVILLE, Cass	HOUSTON, Texas	1917
1885	1915	1928
1892	1928	
1898		JASPER, Jasper
1902	HUMANSVILLE, Polk	1924
1909	1918	
1931		JEFFERSON CITY, Cole
	HUME, Bates	1885
	1916	1892
	1928	1898
		1908

JERICO SPRINGS, Cedar 1917	KNOBNOSTER, Johnson 1893 1900 1909 1922	LA PLATA, Macon 1894 1900 1909 1916 1928
JONESBURG, Montgomery 1912		
JOPLIN, Jasper & Newton 1884 1888 1891 1896 1900 1906	KNOX CITY, Knox 1912 1924	LAREDO, Grundy 1928
	KOSHKONONG, Oregon 1923	LATHROP, Clinton 1880 1892 1898 1906 1925
KAHOKA, Clark 1893 1907 1933	LA BELLE, Lewis 1899 1906 1914 1933	LAWSON, Ray & Clay 1917 1928
KANSAS CITY, Jackson, 1895 Clay & Platte 1896 1907 1909 1917 1933 1939 1940	LACLEDE, Linn 1885 1893 1898 1910 1925	LEADWOOD, St. Francois 1908 1914 1927
KEARNEY, Clay 1896 1901 1927	LADDONIA, Audrain 1902 1909 1929	LEBANON, Laclede 1886 1893 1900 1925 1932
KENNETT, Dunklin 1911 1919 1928	LA GRANGE, Lewis 1885 1893 1898 1909 1914 1930	LEE'S SUMMIT, Jackson 1893 1898 1909 1927 1935
KEYTESVILLE, Chariton 1893 1899 1909 1928	LAMAR, Barton 1885 1891 1896 1902 1910 1916 1926	LEETON, Johnson 1916 1923
KING CITY, Gentry 1894 1900 1911 1925		LEWISTOWN, Lewis 1899 1914
KIRKSVILLE, Adair 1886 1914 1891 1925 1898 1932 1906	LA MONTE, Pettis 1913	LEXINGTON, Lafayette 1885 1910 1889 1918 1894 1927 1900
	LANCASTER, Schuyler 1894 1909 1900 1928	

MILAN, Sullivan	MORRISVILLE, Polk	NEW BLOOMFIELD, Calla-
1886	1893	1924 way
1893	1900	
1898	1909	NEW CAMBRIA, Macon
1906	1917	1902
1914		1910
1926	MOSCOW MILLS, Lincoln	1923
	1909	
MOBERLY, Randolph	1919	NEW FLORENCE, Montgom-
1884		1912 ery
1888	MOUND CITY, Holt	
1893	1900	NEW FRANKLIN, Howard
1899	1911	1917
1909	1928	
1916		NEW HAVEN, Franklin
1923	MOUNTAIN GROVE, Wright	1895
1931	1902	1908
	1909	1917
MONETT, Barry &	1929	
1893 Lawrence		NEW LONDON, Ralls
1897	MOUNTAIN VIEW, Howell	1909
1902	1912	1917
1910	1924	
1917		NEW MADRID, New Madrid
1923	MOUNT VERNON, Lawrence	1894
	1894	1900
MONROE CITY, Monroe &	1900	1906
1884 Marion	1909	1911
1888	1918	1919
1893	1928	1950
1899	1951	
1909		NEWTOWN, Sullivan
1916	NEELYVILLE, Butler	1923
1933	1895	
		NORBORNE, Carroll
MONTGOMERY CITY, Montgomery	NELSON, Saline	1899
1885	1906	1909
1893		1918
1900	NEOSHO, Newton	1928
1909	1894	
1917	1891	NORTH KANSAS CITY, Clay
	1896	1914
MONTROSE, Henry	1902	1926
1894	1909	1931
1900	1926	
1910		NOVINGER, Adair
1918	NEVADA, Vernon	1915
	1885	
MOREHOUSE, New Madrid	1890	OAK GROVE, Jackson
1911	1894	1927
1919	1900	
	1906	ODESSA, Lafayette
	1914	1894
	1926	1900
		1909

LIBERAL, Barton	MADISON, Monroe	MARSHFIELD, Webster
1914	1910	1886
	1919	1892
LIBERTY, Callaway	MAITLAND, Holt	1897
1883	1915	1905
1889	1928	1910
1894		1922
1899	MALDEN, Dunklin	MARYVILLE, Nodaway
1906	1895	1886
1913	1900	1891
1924	1906	1900
LILBOURN, New Madrid	1911	1909
1913	MALTA BEND, Saline	1925
1928	1916	1932
LINCOLN, Benton	1924	MAYSVILLE, De Kalb
1921		1909
LINNEUS, Linn	MANSFIELD, Wright	1925
1894	1913	MEADVILLE, Linn
1902	1926	1893
1910	MARCELINE, Linn	1898
1925	1894	1910
LOCKWOOD, Dade	1902	MEMPHIS, Scotland
1924	1911	1884
LOUISIANA, Pike	1930	1893
1885	MARCUS	1898
1890	1914	1909
1896	MARIONVILLE, Lawrence	1921
1902	1894	MENDON, Chariton
1909	1900	1914
1917	1910	META, Osage
1931	1918	1924
LOWERY CITY, St. Clair	1938	MEXICO, Audrian
1927	MARQUAND, Madison	1885
LUDLOW, Livingston	1912	1890
1922	1922	1894
McFALL, Gentry	MARSHALL, Saline	1899
1917	1883	1908
1928	1889	1914
MACON, Macon	1894	1926
1885	1900	1932
1890	1910	MIAMI, Saline
1895	1929	1893
1902		1914

O'FALLON, St. Charles 1912	PARKVILLE, Platte 1926 1948	PLEASANT HILL, Cass 1888 1898 1906 1913
ORAN, Scott 1919	PARNELL, Nodaway 1914	POLO, Caldwell 1928
OREGON, Holt 1893 1900 1911 1928	PATTONSBURG, Daviess 1894 1900 1909 1916	POPLAR BLUFF, Butler 1892 1895 1901 1910 1917 1924 1928
ORRICK, Ray 1916 1928	PERRY, Ralls 1926	PORTAGEVILLE, New Madrid 1911 1919 1927
OSCEOLA, St. Clair & 1900 De Kalb 1909 1926	PERRYVILLE, Perry 1911 1928 1938	POTOSI, Washington 1886 1893 1900 1908 1929
OTTERVILLE, Cooper 1922	PIEDMONT, Wayne 1929	POWERSVILLE, Putnam 1923
OWENSVILLE, Gasconade 1914 1929 1949	PIERCE CITY, Lawrence 1885 1891 1896 1902 1910 1918	PRINCETON, Mercer 1886 1893 1898 1909 1913 1928
OZARK, Christian 1900 1914 1930	PILOT GROVE, Cooper 1914 1927	PURDY, Barry 1915 1924
PACIFIC, Franklin & 1886 St. Louis 1892 1903 1909 1917 1929	PILOT KNOB see Ironton	QUEENS CITY, Schuyler 1893 1898 1910 1925
PALMYRA, Marion 1886 1893 1899 1909 1916	PLATTE CITY, Platte 1886 1892 1900 1909	REPUBLIC, Greene 1920
PARIS, Monroe 1886 1889 1893 1910 1925	PLATTSBURG, Clinton 1886 1898 1909 1926 1949	

RICHARDS, Vernon 1913	ST. FERDINAND, St. Louis 1931	SARCOXIE, Jasper 1894 1900 1910 1918
RICH HILL, Bates 1888 1893 1898 1914 1926	ST. JAMES, Phelps 1910 1924	SAVANNAH, Andrew 1886 1892 1900 1908 1916 1926
RICHMOND, Ray 1883 1888 1893 1899 1909 1925	ST. JOSEPH, Buchanan 1883 1888 1897 1911	SCHELL CITY, Vernon 1886 1898 1914
ROCKPORT, Atchison 1893 1900 1911 1928	ST. LOUIS 1904 1908 1909 1916 1924 1926 1931 1932 1938	SEDALIA, Pettis 1883 1888 1892 1898 1908 1914 1925
ROCKVILLE, Bates 1923	ST. PETERS, St. Charles 1912 1917	SELIGMAN, Barry 1916
ROLLA, Phelps 1884 1893 1897 1905 1910 1917 1924 1933	ST. THOMAS, Cole 1914	SENECA, Newton 1894 1905 1914
ROSENDALE, St. Louis 1917	STE. GENEVIEVE, Ste. Genevieve 1894 1901 1911 1929	SHELBINA, Shelby 1886 1893 1900 1909 1916
RUTLEDGE, Scotland 1916	SALEM, Dent 1886 1893 1900 1910 1916 1924 1932	SHELBYVILLE, Shelby 1886 1893 1909 1916 1928
ST. CHARLES, St. Charles 1886 1893 1900 1909 1917	SALISBURY, Chariton 1893 1899 1910 1928	SHELDON, Vernon 1894 1910 1918
ST. CLAIR, Franklin 1924		

SIKESTON, Scott & 1895 New Madrid 1910 1919 1927	STEELVILLE, Crawford 1924 1939	TROY, Lincoln 1895 1913 1927
SILEX, Lincoln 1916 1924	STEWARTSVILLE, De Kalb 1914	UNION, Franklin 1913 1927 1935
SKIDMORE, Nodaway 1914 1923	STOCKTON, Cedar 1926	UNION STAR, De Kalb 1914
SLATER, Saline 1883 1890 1894 1900 1910 1922 1933	STOUTSVILLE, Monroe 1916	UNIONVILLE, Putnam 1893 1898 1909 1926
SMITHVILLE, Clay 1920 1928	STOVER, Morgan 1916 1924	VALLEY PARK, St. Louis 1926
SOUTH WEST CITY, McDonald 1902 1914	SWEET SPRINGS, Saline 1888 1900 1909 1914 1929	VANDALIA, Audrain 1909 1917 1931
SPICKARD, Grundy 1909 1929	TARKIO, Atchison 1894 1900 1911 1928	VERONA, Lawrence 1915 1924
SPRINGFIELD, Greene 1884 1891 1896 1902 1910 1933	THAYER, Oregon 1900 1906 1925	VERSAILLES, Morgan 1909 1914 1926
STANBERRY, Gentry 1886 1892 1900 1909 1916 1930	TINA, Carroll 1917	VIENNA, Maries 1914
STEELE, Pemiscot 1920 1927 1939	TIPTON, Moniteau 1885 1892 1898 1908 1916	WARRENSBERG, Johnson 1883 1888 1893 1898 1907 1914 1924
	TRENTON, Grundy 1886 1891 1898 1906 1914 1938	WARRENTON, Warren 1886 1893 1900 1909 1917

WARSAW, Benton	WELLSVILLE, Montgomery	WHEATON, Barry
1892	1886	1923
1898	1893	1933
1909	1900	
1926	1909	WILLOW SPRINGS, Howell
	1929	1893
WASHBURN, Barry		1900
1902	WENTZVILLE, St. Charles	1906
1914	1927	1914
		1929
WASHINGTON, Franklin	WEST PLAINS, Howell	
1893	1893	WINDSOR, Henry
1908	1900	1885
1916	1906	1891
1926	1914	1896
	1924	1902
WAVERLY, Lafayette	1932	1909
1892	1948	1920
1900		1932
1910	WESTBORO, Atchison	
	1916	WINTHROP, Buchanan
WAYLAND, Clark		1916
1916	WESTON, Platte	
	1886	WRIGHT CITY, Warren
WEBB CITY, Jasper	1892	1912
1885	1900	
1893	1909	
1900	1924	
1906		

Forthcoming Meetings & Workshops (continued from page 279)

U.S.G.S International Centennial Symposium: "Resources for the Twenty-first Century"

October 14 - 19, 1979 National Headquarters,
Reston, Virginia

For further information write to: Mary Ellen Williams, Executive Secretary
Accommodations will be at: International Resources Symposium
Sheraton Inn & International Conference Center U.S.G.S. 950 National Center
Reston, VA 22092
11810 Sunrise Valley Drive, Reston, VA.

¶ The aim of the symposium is to bring together scientists from countries with differing resources, environmental problems, and degrees of development in order to examine our mutual interests and our individual problems, as we approach the challenges of the coming century. In its Centennial Year, U.S.G.S. hopes that planning for the future will be helped by the exchange of information among scientists who are involved in various aspects of the problems. In addition to papers given by a group of authoritative speakers, time will be available for formal and informal discussions of the issues raised during the meeting. The Geological Survey welcomes the joint sponsorship of the Commission for the Geological Map of the World in a session on modern cartographic and publication techniques for geologic maps on October 19.

The Preliminary Program (program details only) follows:

United States Geological Survey
INTERNATIONAL CENTENNIAL SYMPOSIUM

"RESOURCES FOR THE TWENTY-FIRST CENTURY"

October 14-19, 1979
National Headquarters
Reston, Virginia

PRELIMINARY PROGRAM

Sunday, October 14, 1979

Arrival, check-in, registration (Sheraton Inn); Reception & Social 5:30 p.m.+

Monday, October 15, 1979 A.M.

Introductory session: General scope of earth science challenges for the 21st C.
Frank C. Whitmore, Jr., General Chairman: Background and objectives
H. William Menard, Director, U.S.G.S.: Greeting
Philip Handler, President, National Academy of Sciences: Intro. Address
J.R.A. Ramos, Brazil: Major challenges & opportunities for national geoscience programs--a Brizilian viewpoint
S. Sigit, Indonesia: ... --an Indonesian viewpoint
Discussion: D.J. McLaren, Canada - & - H.W. Menard, USGS

Monday P.M.

An overview of problems and requirements for identifying, exploring, and developing resources. Chairman: D. Peck--USGS
M.O. Oyawoye, Nigeria: The outlook from Nigeria
B.K. Hyun, South Korea: The outlook from South Korea
Discussion: Y. Shimazaki, Japan - & - W.C. Overstreet, USGS (retired)
H.J. Lavie, Venezuela: The outlook from Venezuela
G.A. Moustafa, Egypt: The outlook from Egypt
Discussion: G.P. Salas, Mexico - & - G.E. Tolbert, USGS

Tuesday A.M.

Opportunities and perspectives in surveying, mapping, and cartography.
Chairman: R. Southard--USGS
C.O. Ternryd, Sweden: Surveying
Discussion: W.F. Roberts, Canada
J.A. Villasana L., Mexico: Mapping
Discussion: F. Ackerman, Germany
G. Konecny, European Space Agency: Satellite data systems
Discussion: F. Doyle, USGS
J.M. Zarzycki, Canada: Automated cartography
Discussion: E. Spiess, Switzerland
Panel Discussion

Tuesday P.M.

Challenges and problems concerning energy resources. Chair: C.D. Masters--USGS
F.N. Bender, Germany: The world outlook for energy resources

J. Cameron, International Atomic Energy Agency: An international view of nuclear raw materials

Discussion: H. Brand, United Nations Center for Natural Resources, Energy and Transportation - & - V.E. McKelvey, USGS

F. Zuniga, Peru: Requirements for assessment of energy resources options

M. Grenon, Austria: World oil resources assessment and potential for the 21st century

Discussion: M.K. El Ayouty, Egypt - & - B.F. Grossling, USGS

Tuesday Evening Dinner (Sheraton Inn)

Zaki Yamani, Minister of Petroleum and Mineral Resources of Saudi Arabia

Wednesday A.M.

Challenges and problems concerning mineral resources. Chair: G.E. Becraft-USGS

C. Ruiz, Chile: Organizing a national assessment of mineral resources

S.A. Bilgrami, Pakistan: Research on mineral exploration concepts & tech.

Discussion: C. Nishiwaki, Japan - & - C.W. Sweetwood, DOS

G. Dengo, Instituto Central American de Investigacion y Tecnologia Industrial: Identifying and evaluating industrial mineral resources

A. Johannas, Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Off-shore Areas: Exploring and evaluating seabeds

Discussion: R.N. Richmond, Fiji - & - E.M. Davin, NSF - & - N.T. Edgar, USGS

Wednesday Noon Lunch (Sheraton Inn)

John Morgan, Associate Director, U.S. Bureau of Mines: World Mineral Supply

Wednesday P.M.

Water and People. Chair: J.S. Cragwall, Jr., USGS

Speaker to be announced: Water policy

G.I. Cano, Argentina: Water legislation

Speaker to be announced: Water, floods, and drought

Speaker to be announced: Water and the economy

Panel discussion

Wednesday Evening (Sheraton Inn) Speaker and Discussion session.

Professor R. Trumphy, Switzerland: Earth history as moral lesson

Thursday A.M.

Geologic hazards and man. Chair: R.L. Wesson, USGS

A.A. Giesecke, Peru: Earthquake hazards, and requirements for their mitigation in the Andean region

N. Canitez, Turkey: A regional earthquake research program in S.W. Asia

Discussion: N.W. Ambraynes, U.K. - & - R.E. Wallace, USGS

A.P. Alcaraz, Philippines: Volcanic hazards and their effects in S.E. Asia

I.L. Nersesov, USSR: Urban development in relation to earthquakes, landslides, and unstable ground

Discussion: J. Rapp, USGS

Discussion: K. Kasahara, Japan - & - R.S. Fiske, Smithsonian

Thursday Lunch (Sheraton Inn)

Speaker: Frank Press, Science Advisor to the President of the U.S.

Thursday P.M.

Geological factors and man's environment. Chair: J.R. Balsley
 M. Kursten, FRG: Environmental problems and geological applications
 J. Puig de la Parra, Mexico: Integrated regional surveys for environmental studies
 D. Nichols, USGS: Application of earth sciences to land-use problems in the United States
 M.V.N. Murthy, India: Environmental mapping in India
 C.S. Christian, Australia: Australia's approach to environmental mapping
 O. Bittencourt N., Brazil: SLAR as a tool for natural resources mapping-- Brazilian approach

Friday A.M.

Cartography and printing of colored geological maps -- in collaboration with the Commission for the Geological Map of the World. Chair: D.M. Kinney, USGS
 William Hutchison, Secretary-General, International Union of Geological Sciences, and Frances Delany, Commission for the Geological Map of the World: Introduction
 R.E. Ehrenberg, National Archives and Records Service, General Services Adm.: Developments in cartography and printing influencing the publication of geologic maps; an historical appraisal
 H.J. Vojacek, Australia: Cartography by mechanical windows and printing with line screens and dot screens
 R. Kidwell and R. Shaff, USGS: Hand-colored maps separated electronically and photographically for 4-color printing
 J.M. Botbol, USGS: Computer generation of geological maps from geological data banks
 G.J. Roberts, Geological Survey of Canada: Geological Survey of Canada's 1:1,000,000 scale geological map series: cartography by digitization
 N. Yingling, Sci-Tex Corp., Ohio: Computer assisted color separations -- scanner and laser plotter
 A.N. Williamson, U.S. Corps of Engineers, Mississippi: Computer assisted color separations -- Optronic plotter

Friday P.M.

A.L. Dilonardo and D.M. Kinney, Moderators, USGS: Speaker Panel: Summary-evaluation of national technological development vs. choice of cartographic and printing techniques

Adjourn 3:00 P.M.

Accommodations at the Sheraton Inn are listed at \$43.-Single, \$53.-Double.+6%tax
 Reservations must be received not later than 4 weeks prior to arrival date.

Pre-Registration with the Executive-Secretary is urged due to limited space.
 Mary Ellen Williams, U.S.G.S., 950 National Center, Reston, VA 22092.

NEW MAPPING OF WESTERN NORTH AMERICA

Contributions by: BC = Barbara Cox, Map Librarian, Marriott Library,
University of Utah, Salt Lake City

EP = The Editor

ARIZONA & UTAH

BC Jones, Stan

Lake Powell country and Glen Canyon National Recreation Area in
Arizona and Utah / Stan Jones.-- Page, Arizona : Stan Jones, 1978.

Available from Mr. Jones at P.O. Box 955, Page, AZ 86040 \$2.50 post
paid

ARIZONA & NEW MEXICO

EP

Luedke, Robert G., and Robert L. Smith

Map showing distribution, composition, and age of late Cenozoic
volcanic centers in Arizona and New Mexico. Reston, VA., U.S. Geolog-
ical Survey, 1978. Miscellaneous Investigations Series Map I-1091-A.

2 col. maps: 1:1,000,000 & 1:500,000

U.S. Bureau of Land Management

Surface Management edition @ 1:100,000 depicting public lands managed
by BLM, other federal lands including those of the National Park Ser-
vice, Fish and Wildlife Service, and other state land, and private
lands.

Surface-Minerals Management edition @ 1:100,000 is above edition with
extent of Federally owned mineral rights overprinted.

Prices: \$2.00 ea. edition. Specify edition when ordering.

Format: one degree of longitude wide (east to west) and 30-minutes
high (north to south), on sheet 76 x 107 cm.

ARIZONA: Boulder City 1978

Available from: BLM, Arizona State Office, 2400 Valley Bank Center,
Phoenix, AZ 85073

Western Economic Research Co.

Zip Codes in Arizona. 30" x 37" Available as paper print @ \$10., or
as mylar overlay @ \$16.

Major Streets & Highways in Arizona. 30" x 37" Available as paper
print @ \$10., or as mylar overlay @ \$16.

Available from: Western Economic Research Co., 13437 Ventura Blvd.,
Sherman Oaks, CA 91423

CALIFORNIA

EP

Jorgensen, L. N., A. L. Seacer, and S. J. Kaus
Hydrologic basins contributing to outflow from Lake Tahoe, California-Nevada. Reston, VA., U.S. Geological Survey, 1978. Hydrologic Investigations Atlas HA-587.

col. map: 1:62,500

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Newberry Springs 1978; San Bernardino 1978; Victorville 1978.

Available from: BLM California State Office, Federal Office Bldg.,
Room E-2841, 2800 Cottage Way, Sacramento, CA 95825

U.S. Forest Service. Los Padres National Forest.
Rare II Areas / Los Padres National Forest, January 1979.

two blueprint maps @ ca. 1:190,000 26.5" x 19.5", and 26.5" x 35.5"
depicts: Existing, Proposed, Non-Wilderness, Further Planning.

Available from: U.S. Forest Service. Los Padres National Forest,
Supervisor's Office, 42 Aero Camino St., Goleta, CA
93017

IDAHO

EP

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Borah Peak 1978; Sun Valley 1978; Wallace 1978.

Available from: BLM Idaho State Office, Room 398 Federal Bldg.,
550 West Fort St., Boise, ID 83724 (P.O. Box 042)

MONTANA

EP

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Dillon 1978; Lewiston 1978; Winifred 1978; Winnett 1978; Zortman 1978.

Available from: BLM Montana State Office, Granite Tower Bldg., 222 N.
32nd St., Billings, MT 59107 (P.O. Box 30157)

NEVADA

EP

(see also: Jorgensen citation listed under California above)

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Caliente 1978; Clover Mountains 1978; Fish Creek Mountains 1978; Goldfield 1978; Ione Valley 1978; Pahrnagat Range 1978; Walker Lake 1978.

Available from: BLM Nevada State Office, Federal Bldg., Room 3008,
300 Booth Street, Reno, NV 89509

Zietz, Isidore, Francis P. Gilbert, and John R. Kirby
Aeromagnetic map of Nevada: color coded intensities. Reston, VA.,
U.S. Geological Survey, 1978. Geophysical Investigations Map GP-
922.

col. map @ 1:1,000,000

Prepared in cooperation with the Nevada Bureau of Mines and Geology.

NEW MEXICO

EP

(see also: Luedke citation under Arizona & New Mexico above)

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Abiquiu 1978; Chaco Canyon 1978; Lordsburg 1978.

Available from: BLM New Mexico State Office, U.S. Post Office &
Federal Bldg., South Federal Place, Santa Fe, NM
87501 (P.O. Box 1449)

OREGON

EP

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Burns 1978; Gold Beach 1978; Jordan Valley 1978.

Available from: BLM Oregon State Office, 729 N.E. Oregon St.,
Portland, OR 97208 (P.O. Box 2965)

Western Economic Research Co.

Zip Codes in the Portland-Salem Region, includes Corvallis, Eugene &
and Vancouver, Washington. 30" x 42" Available as paper print @ \$10.,
or as mylar overlay @ \$16.

Major Streets & Highways in the Portland-Salem Region, includes Corval-
lis, Eugene, and Vancouver, Washington. 30" x 42" Available as paper
print @ \$10., or as mylar overlay @ \$16.

Available from: Western Economic Research Co., 13437 Ventura Blvd.,
Sherman Oaks, CA 91423

UTAH

EP

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Logan 1978; Ogden 1978.

Available from: BLM Utah State Office, Federal Bldg., 125 S. State,
Salt Lake City, UT 84147 (P.O. Box 11505)

(see also: entry for Jones in Arizona & Utah above)

WASHINGTON

EP

U.S. Bureau of Land Management
Surface Management edition & Surface-Minerals Management edition
for the following 1:100,000 quads:

Mt. Adams 1978; Mt. St. Helens 1978; Mount Rainier 1978.

Available from: BLM Washington/Oregon State Office, 729 N.E. Oregon
St., Portland, OR 92708 (P.O. Box 2965)

Western Economic Research Co.

Zip Codes in the Seattle-Puget Sound Region. 29" x 42" Available as
paper print @ \$10., or as mylar overlay @ \$16.

Major Streets & Highways in the Seattle-Puget Sound Region. 29" x 42"
Available as paper print @ \$10, or as mylar overlay @ \$16.

Western Economic Research Co., 13437 Ventura Blvd., Sherman Oaks, CA
91423

(see also: citation for Western Economic Research Co., under Oregon,
Portland-Salem Region map includes Vancouver, Washington)

WESTERN REGION

EP

U.S. Geological Survey

Land Use and Data Analysis (LUDA) maps for western USGS region states
in addition to those that were listed on pages 163-164 of the March
1979 Information Bulletin (Vol. 10, No. 2):

<u>LAT/LONG</u>	<u>SCALE</u>	<u>TITLE</u>	<u>STATE</u>	<u>SHEETS AVAIL.</u>	<u>OPEN FILE #</u>
373012100	1:100,000	Oakdale	CA	* 1 2 3 4	76-642
423012400	1:100,000	Port Orford	OR	B 1 2 3 4	77-450
430012200	1:250,000	Roseburg	OR	B 1 2 3 4	77-445
470011600	1:250,000	Spokane	WA	B 1 2 3 4	78-813

* Base available (from 100K file); B = Planimetric base; 1 = Land Use and Land
Cover; 2 = Political Units; 3 = Census County Subdivisions; 4 = Hydrologic units.

DEALERS' CATALOGS RECEIVED

- ¶ Richard B. Arkway, Inc. (formerly The Cartographer) 114 East 61st St.,
New York, NY 10021
- Catalogue XIII, Spring 1979: Rare Books & Atlases; Americana, Travels, Voyages, Sciences, Sinology, Illustrated Books. Prepared by Robert Augustyn, Rex Parady, and Richard B. Arkway. 44 pp., 65 items, annotated, 21 illustrations.
- Item #3 = a 1507 Ptolemy atlas = \$24,000.
- ¶ Bow Windows Book Shop 128 High Street, Lewes, East Sussex, BN7 1XL England
- Catalogue Seventy-Nine
854 items, including Topography and Travel
- ¶ Broekema, C. Antiquarian Book and Mapseller 28 Titiaanstraat - 1077 R H
Amsterdam, Holland
- Catalogue 61: Rare Books and Old Maps. 740 items, 11 illustrations, indexed, annotated.
- ¶ Robert Douwma (Prints & Maps) Ltd. (formerly Weinreb & Douwma Ltd.)
93 Great Russell Street, London WC1 NOTE: The name of the firm Weinreb & Douwma Ltd., has changed to Robert Douwma (Prints & Maps) Ltd. on the retirement of Ben Weinreb. B. Weinreb Ltd. and B. Weinreb Architectural Books Ltd. will continue trading as before.
- Catalogue 21: Foreign maps and prints. 1979. Compiled by Tony Campbell, Arthur Corfe, Clive Maltby and Mark Teale. Edited by Tony Campbell. Contents: World, Africa, America, Asia, Australia, Europe, Pacific & Antarctic. 1,536 items; 67 illus.; brief annotations; 112 pp.
- ¶ Richard Fitch. Old Maps and Prints. 2324 Calle Halcon, Santa Fe, New Mexico 87501
- Catalogue No. 32: Americana. 1979. 36 pp.; 235 items; 61 illustrations. Includes early maps of all the areas of WAML's Principal Region. Each map is extensively annotated and referenced to standard bibliographies, and the original source of the item is provided.
- ¶ W. Forster. 83a Stamford Hill, London, N16 5TP
- List No. 142 (1979): Palaeography, including Bibles, Bookbinding, Cartography, Sale Catalogues.
- ¶ Frontier America Corporation, Box 3698, Bryan, Texas 77801 (S. Reese, Fred White, Jr., proprietors)
- Catalogue 29: Rare Americana. 84 pp.; 265 items; 7 illustrations.
#119 = History of the expedition of Lewis & Clark (1814) = \$17,500.
Many items related to the WAML Principal Region.

- ¶ Geologic Map Service (Telberg Book Corp.), P.O. Box 920, Sag Harbor, N.Y. 11963

Catalog pages 214, 316, 317, 318, 318-A of the "Detailed Catalog" 8½ x 11 sheets, loose-leaf, annotated citations to maps and atlases in stock and items expected. Not all citations give full bibliographic information, makes for troublesome verification.

Pages 316-317: "Geological maps of Latin America". Earth science maps predominate, but topographical sheets are offered occasionally.

- ¶ Bernard Quaritch Ltd. 5-8 Lower John Street, Golden Square, London W1R 4AU

Catalogue No. 993: Europe & The Orient - History, Travel, Topography, Culture; with an appendix of military books. London, 1979.

32 pp., 278 items; quoted in U.S. Dollars. Some extensive annotations.

- ¶ R. M. Weatherford - Books P.O. Box 3211, Columbus, OH 43210

Catalog 22: Americana Miscellany. Winter 1979. 73 pp.; 30 illustrations; Brief annotations on some citations. Of the 886 items offered, a great number are on Indians of the American West; many of the books, of course, contain maps, although they are not fully identified here.

PUBLISHERS' CATALOGS RECEIVED

- § AUSTRIA. Bundesamt für eich- und vermessungswesen in Wein (Landesaufnahme). Krotenthallergasse 3, A-1080 Wien VIII, Austria. Verlags-Verzeichnis 1979. {with} Preisliste der Offiziellen Karten ... 1979.
A graphic index to all topographic series, Austria and Central Europe @ 1:200,000; & 1:750,000; topo series of Austria are @ 1:25,000 & 1:50,000.
- § Bartholomew, John & Son Ltd., Duncan Street, Edinburgh EH9 1TA, Scotland.
International Catalogue 1979 = Bartholomew Mapmakers & Publishers
Accompanied by "Bartholomew Maps and Atlases, International Price List and Order Form 1979".
- § Gale Research Co., Book Tower, Detroit, Michigan 48226
Gale Contemporary Reference Books: March 1979.
- § FEDERAL REPUBLIC OF GERMANY. SAAR (SAARLAND). Kartenverzeichnis.(revised) Landesvermessungsamt des Saarlandes, Neugrabenweg 2, 66 Saarbrücken 3.
Accompanying the basic catalog are updated graphic indexes for aerial photography (Übersichtskarte der Bildflüge/Landesvermessungsamt des Saarlandes, 1978/79); and topographical quads (Amtliche Karten und Luftbilder neuerscheinungen/Übersichten und Entgelte, 1979, Gültig ab 1. 1. 1979)

§ Greenwood Press, Inc., 51 Riverside Ave., Westport, CT 06880

UPDATE (a monthly checklist of new publications): April-May, 1979 = Availability List Number 92.

Reprint & Original Publications.

§ Halsted Press (a division of John Wiley & Sons, Inc. @ 605 Third Avenue, New York, NY 10016) Box 1313, Somerset, New Jersey 08873

Scripta Series in Geography, published by V. H. Winston & Sons, and distributed exclusively by Halsted Press.

Some titles: Applied Medical Geography, by Gerald F. Pyle

Economic Development in Retrospect, by Allan Rodgers

Gateway to Siberian Resources (The BAM), by Victor L. Mote, and Theodore Shabad

Nonmetropolitan Industrialization, by Richard E. Lonsdale, and H. L. Seyler

The Soviet Energy System, by Leslie Dienes, and Theodore Shabad

Halsted distributes many other titles in U.S., including:

Cartographic Design and Production, by J. S. Keates (1976)

Mapping from Aerial Photographs, by C. D. Burnside (1979)

Maps and Air Photographs, Images of the Earth, 2nd Ed., by G. C. Dickinson (1979)

§ Marshall Penn-York Co., Inc. 538 Erie Blvd. West, Syracuse, New York 13204

Visual Encyclopedia - Folding Maps: New York State, city-county map series; Metropolitan city maps series; Multi-county or regional map series; Connecticut; Metropolitan city map series; Pennsylvania; New Jersey; and special maps and atlases.

The Adirondack Atlas (1980 Olympic Edition), i.e., a 36" x 49" wall map @ \$3.79 1979.

"As a special map Library Promotion," volume discounts of 10%, 15%, and 20%, for orders of \$35, \$50, \$100 respectively. Each map lists at \$2.00.

§ Georg Olms Verlag (Publisher), Hagentorwall 7, D-3200 Hildesheim (W. Germany) & Georg Olms Publishing, 52 Vanderbilt Avenue, New York, NY 10017.

II/79: Geographie/Frühe Reiseliteratur/Geography & Travels

Reprints of older classics.

§ The Royal Geographical Society, 1 Kensington Gore, London SW7 2AR, England
Publications and Maps 1979.

§ Western Economic Research Co., 13437 Ventura Blvd., Sherman Oaks, CA 91423
1979 Catalog = Maps & Small Area Data

Coverage of ZIP code maps now includes Washington, Oregon, California, and Arizona. Coverage of Base Maps has been extended to Portland-Salem Region, and Seattle-Puget Sound Region.

More --DEALERS' CATALOGS RECEIVED - Late Arrivals

- ⌘ Antique Map Mail Auction, 5614 Northfield Rd., Bethesda, MD 20034
 Tim Coss (301) 657-9074, weekday evenings, 6-9, Eastern time
 AUCTION NO. 1 (Closing Date: May 18, 1979.) 252 items, 12 illus.
- ⌘ Michael Ginsberg Books, Inc., Box 402, Sharon, MA 02067
 Catalogue Nineteen: Rare Americana/Books, Pamphlets, Newspapers, and Documents. 200 items, annotated, 11 illus.
 In spite of the subtitle of the Catalogue Nineteen, there are several important maps included, as well as atlases.
- ⌘ Credric L. Robinson, Bookseller, 597 Palisado Avenue, Windsor, CT 06095
 Catalogue 133: Americana. Spring 1979. 883 items, annotated.
- ⌘ Cosmos Antiquarian Books, P.O. Box 30, Kastanjelaan 3, Netherlands
 Catalogue 15: Geology, Mineralogy, Petrography. 706 items.
 Geological Maps are listed - items 678 - 704. Some maps are antiquarian and some are modern.
- ⌘ Capt. K. S. Kapp, Box 64, Osprey, Florida 33559 (NOTE: new address)
 Catalogue XVI: [June 1979]. 800 items, 17 illus.
 Covers all parts of the world.
- ⌘ Lewis M. BATTERY, 407 West First St., Lampasas, Texas 76550
 Notice of Publication of Issue No. 4 of the OLD MAPS OF THE SOUTHWEST facsimile portfolio series - Walker Maps of 1849 & 1852 - to be released in June 1979. \$8.00 + \$1.00 postage and handling.

MINUTES

Meeting of the Executive Committee
 Western Association of Map Libraries (WAML)
 Spring Meeting - March 29-30, 1979
 U.S.G.S. - Menlo Park, California

A meeting of the Executive Committee was called to order at 9:00 a.m., Thursday, March 29, 1979, by President Frances Woodward at the U.S.G.S. Western Mapping Center, Menlo Park, California. Members present, in addition to Ms. Woodward: Larry Cruse, Stan Stevens, and Sylvia Warren (Secretary Pro Tem).

The minutes of the previous meeting in Reno were approved after one correction was made: the name of Mary Larsgaard was substituted for Mary Ansari on page 18 of the Information Bulletin (Vol. 10, No. 1, November 1978), as the participant in the panel discussion on Map Collecting and Cataloging before the Nevada Library Association/Mt. Plains Library Association Joint Meeting on Oct. 13, 1978 at Stateline, Nevada.

Conference Fees

Larry Cruse introduced the possibility of charging a conference fee for each meeting. The cost of meetings is going up all the time and more money is needed out of the General Fund to cover expenses. Stan Stevens pointed out that the use of the General Fund to cover these extra conference expenses would prevent its use for other purposes and projects. Larry Cruse proposed that WAML charge a \$5.00 registration fee per conference and any money left over would be used to help cover the expenses of future conferences.

Previously, WAML always had their meetings at the local universities where facilities were free. Now the universities are starting to charge for the use of their facilities. There has also been an attendance increase at the meetings and the facilities that were previously used are no longer adequate.

The cost of the San Diego and Seattle meetings was about \$175. each. The Menlo Park meeting cost a minimum of \$200. and the Davis meeting is estimated at approximately \$300. There will probably be no room fee for the Fall 1979 meeting in Tuscon, Arizona. The main expense will probably be refreshments for the three coffee breaks during the conference (approx. \$200.).

Stan Stevens pointed out that one of the disadvantages of having a registration fee would be that it might discourage attendance at the conferences, especially since we have never before charged registration fees. Larry Cruse mentioned the possibility of many unforeseen expenses coming up in the future. One of the advantages of charging a registration fee is that you are taxing those who attend and benefit from the conference rather than raising the membership dues. There was general agreement among the members of the Executive Board that the General Fund should be used to support scholarly work such as publications, and that the registration fees should cover conference costs.

It was suggested that we try sending a registration form to the Members prior to the next meeting asking them to send in the \$5.00 registration fee. There was a general discussion on whether or not the Hospitality Committee should handle this mailing. The people who prepaid their fee would have their receipt and packet already waiting for them when they arrive at the conference. It

would be up to the Executive Committee to ensure that the kits, badges, etc. are prepared prior to the conference.

Larry Cruse moved that WAML charge a fee of \$5.00 per conference to cover expenses. It was suggested that the Executive Committee present to the Membership the decision to have a registration fee and open the floor for discussion and comments. Stan Stevens seconded the motion. Stan suggested we evaluate the subject in a year. We would keep the money from the fees in the General Fund, but keep track of it. Also, the question should be evaluated again if the fee seems to keep people from attending the meetings.

Honorariums

Stan Stevens brought up the subject of honorariums and whether or not WAML should have them for guest speakers. In the past we have only paid for housing and the speakers have paid for their own transportation to the meetings. Frances Woodward suggested we keep the subject of honorariums open and not make it a policy to pay them. Should the opportunity of a special guest speaker arise, the possibility of an honorarium could be discussed at that time. Frances feels we should draw on our own talent within WAML for guest speakers whenever possible. Larry Cruse thought it would be a nice gesture to pay for the guest speaker's lunch, but give the host the freedom to use discretion in this area.

Nominations

There was a general discussion of the nominating procedures for next year's officers. Stan reported that there is a new nominating committee of three members selected each Spring by the President. The nominating committee makes their recommendations to the general membership and sends out the ballots so the new officers will be announced by July 1st when the new term of office begins. The nominations are always sent out in a special mailing. Stan will provide addressed envelopes that the committee will need. He recommended that one member from the previous nominating committee continue to serve in order to provide continuity. The new members of the 1979/80 Nominating Committee are: Herb Fox (Chairman), Muriel Strickland, and Ron Whistance-Smith.

Finances

Stan Stevens, Treasurer, reported that our cash on hand, and in the checking and savings accounts, is about \$3,240. All bills have been paid except for a few minor meeting expenses. Larry Cruse estimates that the Menlo Park meeting will cost between \$200. and \$300. The cost of all publications to date, including the current issue of the Information Bulletin, has been paid, so our finances are in a healthy state.

WAML Occasional Papers

Stan reported on the sales of the WAML Occasional Papers. When the 1977/78 Annual Report was given we needed to sell 74 additional copies of Occasional Paper No. 1. We have now sold 17 more copies, leaving a total of 57 more in order to break even on No. 1. In the last report we needed to sell 49 more copies of No. 2 to break even, and have since sold 39. 81-copies was the number we needed to sell for No. 3, and since that report we have sold 51 copies. We will undoubtedly break even on the sale of the first three Occasional Papers with additional left over to sell for "profit". Total sales to date for the first three are: #1 = 210, #2 = 219, and #3 = 129.

WAML printed 750 copies of the first OP, and have since amended the printing to reflect the sales potential. 400-copies were printed for OP No. 4, and 300-copies for OP No. 5. On OP No. 5 we only have to sell 157 more to break even.

The brochure designed by Harold Otness for all five Occasional Papers really helped to stimulate sales. The brochure was inserted in the Information Bulletin. One-thousand copies of the brochure were printed and it will be distributed along with the membership brochure to potential members.

Future Conferences

Larry Cruse reported that Linda Cottrell has agreed to hold the next WAML meeting at the University of Arizona in Tucson. The dates will be October 25-26, 1979. The program was discussed. Frances Woodward suggested that the host should have some idea of what kind of a program they wish to have. The Executive Committee should pass on suggestions and ideas, but the host should have some options and be given the freedom to develop the program. Stan stated that we should bring in some of our own members to speak. In the past, we have had more outside speakers and our own members are essentially an untapped resource. Frances also felt we should get more people involved. Stan suggested getting papers for our publications from our own members. This would help the members get funding for the conferences as well as generate interest.

Larry led a general discussion on future WAML conference sights and listed their location through the Fall 1981 meeting:

Fall 1979:	Univ. of Arizona, Tucson, Oct. 26-27.
Spring 1980:	Univ. of California, Davis, Apr. 24-25.
Fall 1980:	Univ. of Utah, Salt Lake City
Spring 1981:	Univ. of California, Berkeley (tentative)
Fall 1981:	Univ. of Alberta, Edmonton

It was suggested that the Hospitality Committee be in charge of transportation coordination for the meetings.

Meeting adjourned at 12:00 noon.

Respectfully submitted,

Sylvia Warren
(Secretary Pro Tem)

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WESTERN ASSOCIATION OF MAP LIBRARIES

Attendance, Spring Meeting, March 29-30, 1979, Menlo Park

Name	Affiliation	Address	Phone
Lee W. Adders	USGS/NCIC	345 Middlefield Rd. Menlo Park CA 94025	415 323-8111 ext. 2426
Mary Ansari	Univ Nevada Reno	Mines Library	702 784-6596
Enrique Samper Blasco	DETENAL	DETENAL, PO Box 7577 Calxico, CA 92231	
Larry Carver	UC Santa Barbara	Map & Imagery Collections Library, UCSB, S.B. 93106	714 961-4049
Janet Collins	Western WA Univ.	1327 Toledo Bellingham, WA 98225	206 676-3272
Cheryl Coumans	NCIC-Denver	Box 25046 Denver Fed- eral Center, Denver CO 80225	FTS 234-5722
Barbara Cox	Univ Utah	158 Marriott, U. Utah Salt Lake City, UT 84112	801 581-7533
Noel DeHart		9634 22nd Ave. SW Seattle, WA 98106	206 767-4204
Richard Engeman	Southern Oregon Hist. Society	P.O. Box 480 Jackson- ville, OR 97530	503 899-1847
Myrna Fleming	Univ. So. Calif.	13031 Calvert St. Van Nuys, CA 91401	213 780-6204
John G. Fetros	San Francisco Public Library	251 McAllister St. San Francisco, CA 94102	415 558-5130
Herbert S. Fox	Calif. St. Univ. Fresno	Cedar & Shaw Fresno, CA 93740	209 487-2174
Sharon Gibson	San Francisco St. U.	Order Dept. SFSU Lib. 1630 Holloway, S.F. 94132	415 469-2096
Cynthia Hall	San Francisco St. U.	Ref. Dept. 1630 Holloway San Francisco, CA 94132	415 469-1391
Marjorie Henry	Seattle Public Lib.	History Dept. Seattle PL Seattle, WA 98104	206 625-4894
Steve Hiller	Oklahoma State U. L.	Map Collection, OSU Lib. Stillwater, OK 74074	405 372-2478
Phil Hoehn	Bancroft Library Univ. Calif. Berkeley	Bancroft Library, UCB Berkeley, CA 94720	415 642-3781
Carol Hutchins	U. of New Mexico	Zimmerman Lib. U of NM Albuquerque, NM 87131	505 277-5761
LaVonne Jacobsen	San Francisco St. U.	1630 Holloway, SFSU San Francisco, CA 94132	415 863-4352
Thomas J. Kerns	U.C. Davis	Ref. Dept. Shields Lib. Univ. Calif. Davis 95616	--
Sandra Lamprecht	Cal. St. Univ. Long Beach	1250 Bellflower Blvd. Long Beach, CA 90840	213 498-4029

Robert E. Lee & Mrs. Lee		106 Massol Ave. Los Gatos, CA 95030	408 354-7760
Bea Lukens & Harold Lukens	U.C. Berkeley	Earth Science Library UC Berkeley CA 94720	415 642-2997
David Lundquist	U.C. Davis	Documents & Maps Dept. Shields Lib. Davis, CA 95616	916 752-1624
Dorothy Mewshaw	L.A. Pub. Lib.	Los Angeles, CA	213 664-4393
Riley Moffat	Brigham Young Univ.	1354 HBLL, BYU Provo, UT 84602	801 581-7533
JoAnna Moore	U.C. Santa Barbara	Map & Imagery Lib. UCSB Santa Barbara 93106	805 961-4049
Steve Mullin	UC Berkeley	Map Room, General Lib. Berkeley, CA 94720	415 642-4940
Nancy Nickerson	Oregon State Univ.	Kerr Lib. Map Room OSU Corvallis, OR 97331	503 754-2971
Nancy J. Pruett	UCLA Geology Lib.	4697 Geology, UCLA Los Angeles, CA 90024	213 825-1055
Jim Reilly	San Francisco Pub L.	Civic Center San Francisco, CA 94102	415 558-3471
Ron Rodrigues	Oakland Public Lib.	125 14th St. Oakland, CA 94606	415 273-3138
Janet Rudd	UC Berkeley	Map Room General Lib. Berkeley, CA 94720	415 642-4940
Robert Sathrum	Humboldt State U.	3403 F. St. Eureka, CA 95501	209 826-3416
Paul Simonds	Western Econ. Res. Company	13437 Ventura Blvd. Sherman Oaks, CA 91423	213 981-9762
Margaret Sowers		1314 Laurent St. Santa Cruz, CA 95060	408 426-8076
Peter L. Stark	Central WA Univ.	Univ. Lib. Map Section Ellensburg, WA 98926	509 925-6872
Stanley Stevens	UC Santa Cruz	Univ. Lib. UCSC Santa Cruz, CA 95064	408 429-2364
Muriel Strickland	San Diego State U.	Dept. Geography SDSU San Diego, CA 92182	714 286-5845
Ed Thatcher	Univ. Oregon	Map Room 165 Condon Hall U of Oregon, Eugene, OR	503 686-3051
Karyl Tonge	Stanford Univ.	Central Map Collect. Stanford, CA	415 497-1811
Lily Wai	Univ Idaho	Univ. of Idaho Lib. Moscow, ID 83843	208 885-6344
Helen Wallis	British Library	Map Library, British Library Great Russell St. London, England WC1B 3DG	

Sylvia Warren	UC San Diego	Map Aquisitions Central Library UCSD La Jolla, CA 92093	714 452-3305
Ronald Whistance- Smith	Univ Alberta	Map Collection University of Alberta Edmonton, Alberta T6G 2H4	403 432-4760
Greg Whittingham	Stanford Univ	Maps & Records 315 Bonair Stanford, CA 94305	415 497-4597
Maureen Wilson	Univ Brit. Columbia	Map Division Univ of British Columbia Vancouver, BC V6T 1W5	604 228-2231
Frances Woodward	Univ Brit. Columbia	Special Collections Div. Univ of British Columbia Vancouver, BC V6T 1W5	604 228-2521
Larry Cruse	UC San Diego	Map Collection C-075P Central Library UCSC La Jolla, CA 92093	714 452-3338
Carlos Hazen	UC Los Angeles	Map Library, UCLA Los Angeles, CA 90024	

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Western Association of Map Libraries
Spring Meeting, March 29-30, 1979
USGS National Cartographic Information Center-Western
Menlo Park, California

FINAL PROGRAM

Thursday, March 29

Call to Order	-	Frances Woodward, WAML President 1978/1979
Welcome to WMC	-	Dan Pinkerton, Asst. Chief, Western Mapping Center
Business Meeting	-	Frances Woodward, presiding
Guest Speaker	-	Dr. Helen Wallis, Head, British Library/Map Library
Guest Speaker	-	Senor Enrique Samper Blasco, DETENAL/Mexico

Friday, March 30

Display area	-	Map Exchange & Exhibits of Map Publishers & Micro-graphic Equipment & Services & Manufacturers
Speaker	-	Lee Aggers, Chief, NCIC-W: "NCIC Programs"

Continued on page 319

WAML Nominating Committee Report

ELECTION OF OFFICERS

Under the terms of the WAML Constitution {see Information Bulletin Vol. 5, No. 1 (Nov. 1973) pp. 49-52} the president-elect Larry Cruse automatically succeeds to the Presidency on 1 July 1979. The current President, Frances Woodward, will, on the same date, become the immediate past-President and both will serve on the Executive Committee. All other officers must be elected for the term 1 July 1979 to 30 June 1980.

The following members have accepted the Nominating Committee's nomination for the offices listed below:

President-elect	David Lundquist, Map Librarian, University Library, University of California, Davis
Secretary	Marjorie Henry, History Department, Seattle Public Library, Seattle, Washington
Treasurer	Stanley Stevens, University Library, University of California, Santa Cruz

Members may vote for persons other than those presented above, however, only one vote shall be cast for each office. Please indicate your choices on the ballot below.

Ballot to be returned
by 25 May 1979.

Submitted by the Nominating Committee:
Herb Fox, Chairman, Muriel Strickland, and
Ronald Whistance-Smith

RESULTS OF WAML ELECTION

The ballots have been counted. 55 ballots were cast.

Congratulations to the Officers for the 1979-80 term:

President	Larry Cruse
President-elect	David Lundquist
Secretary	Marjorie Henry
Treasurer	Stanley Stevens

31 May 1979	The Nominating Committee:	Herbert S. Fox, Chairman California State Univ. Fresno
		Muriel Strickland San Diego State University
		Ronald Whistance-Smith University of Alberta, Edmonton



WAML MEMBERSHIP LIST 1977/78: Additions and Changes to June 1, 1979

(The last Additions and Changes to the List appeared in Volume 10, No. 2
March 1979, pp. 210-212)

NEW PRINCIPAL REGION MEMBERS

Stephany Eger
History Library
Museum of New Mexico
P.O. Box 2087
Santa Fe, NM 87503

Pauline Gunter
Government Documents/Maps
Rasmuson Library
University of Alaska
Fairbanks, AK 99701

Paul Leverenz
Scripps Institution of
Oceanography Library C-075C
University of California
La Jolla, CA 92093

Alice L. Sharp
Documentary Resources
Colorado Historical Society
1300 Broadway
Denver, CO 80203

Sylvia B. Warren
Monographs/Maps C-075A
Acquisitions Dept.
Central Library
University of California
La Jolla, CA 92093

PRINCIPAL REGION - Deletions

Jean Beckner - Claremont, CA

Wesley R. Catlin - Fair Oaks, CA

Robert B. Fisher - Fremont, CA

Dan Gardner, Norwalk, CA

Nathan Hamonds Jr. - Los Angeles, CA

E. Douglas Hinkle - Phoenix, AZ

Mary Hoerber - Cupertino, CA

(Principal Region - Deletions - Cont)

G. Don Miller - Eugene, OR

Marion J. Otteraaen - Longview, WA

Alan Edward Schoor - College, AK

ASSOCIATE MEMBERS - Deletions

Lorne B. Leafloor - Ottawa, ONT

Christine Reinhard - Madison, WI

Linda Siler-Regan - Springfield, VA

John Van Balen - Vermillion, SD

NEW INSTITUTIONAL MEMBER

Gregory A. Whittingham
Maps & Records
Stanford University
315 Bonair
Stanford, CA 94305

NEW SUBSCRIPTIONS TO INFORMATION BUL.

Minnesota Historical Society
Library - Serials Unit
690 Cedar St.
SAINT PAUL, MN 55101

University of Texas at El Paso
Library
El Paso, TX 79968

SUB DELETIONS: B. V. Terry

TOTAL MAILING LIST:

Institutional Members	30
Subscribers	191
Exchange Agreements	12
Associate Members	60
Principal Reqn. Members	116

As of June 3, 1979 409

WESTERN ASSOCIATION OF MAP LIBRARIES

TENTATIVE PROGRAM FALL MEETING,

October 25-27, 1979

Location: University of Arizona, Library Multipurpose Room
Tucson, Arizona

Host: Linda D. Cottrell, Map Librarian, University Library
University of Arizona, Tucson, AZ 85721 (602)626-2596

Tour: University of Arizona Map Collection - FACILITIES, STAFF, PROGRAMS, EXPERIENCES (not just another tour, this is one of the finest map collections in the West. Question is, how did they manage it? Why have they discontinued OCLC cataloging? Where are they headed?)

TOUR: University of Arizona Space Imagery Center - Large volume map/remote sensing imagery base with computer linked graphic user aids. Does the future really work?

PANEL: Panel discussion of Map Library acquisitions newsletters: motives, costs, yields. Is this what you should be doing with your free time?

PAPERS: LA FRONTERA - a series of invited presentations on the geographic, cartographic and documentary significance of the trans-border Sonoran Desert region.

Details of the Program are being coordinated by Larry Cruse, WAML President. Inquiries should be directed to him regarding program.

Motel/hotel accommodations will largely depend on people driving cars or riding the city buses once in Tucson. There have been 15 rooms reserved at the Plaza International, across from the campus. They may be able to release additional rooms during October at the WAML group rate. There are many motels available in Tucson, but only a few are near bus lines or within hiking distance to the campus. The information on motel/hotel locations, rates, and other data - limousine & taxi service available from the airport. E.G., rates at the Plaza International (1099 E. Speedway Ave., Tucson, AZ 85719) are \$25.50 single & \$28.50 double. It is ten minutes walk from campus.

NOTE: A Registration Fee of \$5.00 will be charged for the Meeting. This is a new WAML policy, and will be requested in advance of the meeting to ensure that the meeting planners will be able to accommodate WAML and the costs associated with the meeting.

A SPECIAL MAILING WILL BE SENT (1st Class Mail) AT LEAST 30-DAYS prior to the meeting. All Principal Region members will automatically receive the mailing. Others may request same from the Host.

DUPLICATE MAPS AVAILABLE: Exchange or Gift: SOIL MAPS

The U.S. Soil Conservation Service (and its predecessor agency, The Bureau of Soil Chemistry) began soil survey work in 1899 and published in 1899 the following surveys: Cache La Poudre Valley area, Colorado; Connecticut Valley area, Connecticut-Massachusetts; Pecos Valley, New Mexico; Reconnaissance of Sanpete, Cache, and Utah, Utah; and the Salt Lake Valley area, Utah.

Most published soil surveys cover one or more counties and are so named. Where the survey covers only a part of one or more counties the word area is a part of the title. The dates given in the following list are for the year the field work was completed for surveys made from 1899 to 1936; from 1937 on it is the year the publication was issued.

In addition to being precious gems of early cartography, these soil maps can be of considerable use for their topographical features. The culture and physical features depicted on these surveys often is better than that of some USGS topographical surveys of the period. Many of the topographical base maps created for these surveys were not published elsewhere.

The University of California at Santa Cruz, University Library, Map Collection, has the following SOIL SURVEY MAPS for disposal. NOTE: these are maps only, no accompanying reports.

The objective in offering these is to place them with a collection that can make good use of them. They are available on a selective basis, an entire State, or the entire collection. Depending upon the request (quantity), reimbursement for postage may be requested.

In exchange, if you have any available, duplicate sheets of any Latin American country, any African country, or duplicate atlases will be welcome. Please send list.

University Library
Map Collection
University of California
Santa Cruz, CA 95064 (408) 429-2364

ALABAMA (all 1:62,500)

1908 Autauga	1905 Dallas	1911 Madison
1909 Baldwin (north & south)	1911 Elmore	1920 Marengo
1908 Bibb	1908 Etowah	1907 Marion
1905 Blount	1917 Fayette	1911 Marshall
1907 Butler	1920 Geneva	1911 Mobile
1908 Calhoun	1923 Greene	1905 Montgomery
1909 Chambers	1909 Hale	1918 Morgan
1911 Chilton	1908 Henry	1910 Pike
1921 Choctaw	1920 Houston	1911 Randolph
1909 Coffee	1911 Jackson	1917 Saint Clair
1908 Colbert	1908 Jefferson	1917 Shelby
1921 Crenshaw	1908 Lamar	1907 Talladega
1908 Cullman	1905 Lauderdale	1909 Tallapoosa
1910 Dale	1906 Lee	1911 Tuscaloosa

ARIZONA (1:62,500 except
where noted)

1921 Benson Area (plus alkali map-
1928 Gila Bend area @ 1:125,000)
1917 Middle Gila Valley area
1928 Paradise-Verde area
1921 San Simon area
1921 Winslow area

ARKANSAS (all 1:62,500)

1907 Conway
1917 Drew
1917 Faulkner
1906 Fayetteville area
1917 Howard
1921 Lonoke
1920 Perry
1906 Prairie
1922 Pulaski

COLORADO (all 1:62,500)

1905 Grand Junction area (plus alkali map)
1910 Uncompahgre Valley area (plus alkali)

CONNECTICUT (1:62,500)

1911 Windham

DELAWARE (1:62,500)

1918 Kent
1920 Sussex (2 copies)

FLORIDA (all 1:62,500)

1921 Duval
1906 Escambia
1918 Flagler
1910 Jacksonville area
1907 Jefferson
1923 Lake (north & south sheets)
1905 Leon
1909 Marianna area
1917 St. Johns

GEORGIA (all 1:62,500)

1922 Bibb
1910 Bulloch
1917 Burke
1921 Carroll

GEORGIA (continued)

1911 Chatham
1911 Columbia
1928 Cook
1923 Dooly
1918 Early
1928 Elbert
1923 Fannin
1917 Floyd
1909 Franklin
1911 Glynn
1908 Grady
1909 Hancock
1923 Jenkins
1917 Lowndes
1918 Madison
1920 Mitchell
1920 Monroe
1922 Muscogee
1918 Pierce
1909 Pike
1918 Pulaski
1920 Rabun
1920 Rockdale
1920 Screven
1905 Spalding
1910 Sumter
1908 Thomas
1909 Tift
1910 Walker
1906 Waycross area

IDAHO (all 1:62,500)

1907 Minidoka area (2 copies)
1923 Minidoka area
1917 Nez Perce and Lewis
1918 Portneuf area
1921 Twin Falls area

INDIANA (all 1:62,500)

1921 Adams
1908 Allen
1928 Blackford
1922 Clay
1922 Gibson
1906 Greene
1922 Kosciusko
1917 Lake
1922 Lawrence
1907 Marion
1922 Monroe
1905 Newton
1905 Tippecanoe

IOWA (1:62,500)

1923 Appanoose
 1921 Benton
 1917 Black Hawk
 1920 Boone
 1917 Buena Vista
 1928 Butler
 1923 Clarke
 1928 Crawford
 1920 Dallas
 1922 Delaware
 1921 Des Moines
 1920 Dickinson
 1921 Dubuque
 1920 Emmet
 1922 Floyd
 1921 Greene
 1921 Grundy
 1917 Hamilton
 1920 Hardin
 1923 Harrison
 1917 Henry
 1921 Jasper
 1922 Jefferson
 1917 Linn
 1918 Louisa
 1918 Madison
 1919 Marshall
 1920 Mills
 1917 Montgomery
 1921 O'Brien
 1905 Newton
 1921 Page
 1918 Palo Alto
 1923 Plymouth
 1928 Pocahontas
 1918 Polk
 1924 Sac
 1917 Wapello
 1918 Wayne
 1918 Winnebago
 1922 Winneshiek
 1920 Woodbury
 1922 Worth

KANSAS (all 1:62,500 except *)

1905 Brown
 1911 Reno
 1906 Riley
 1911 Shawnee
 1910 Western Kansas
 Reconnaissance (1:380,000)

KENTUCKY (all 1:62,500)

1921 Garrard
 1905 McCracken
 1905 Madison
 1920 Muhlenberg
 1910 Rockcastle

LOUISIANA (all 1:62,500)

1928 Beauregard
 1908 Bienville
 1910 Concordia
 1906 East Baton Rouge
 1908 East and West Carroll
 1911 Iberia
 1918 La Salle (2 copies)
 1909 Lincoln (2 copies)
 1921 Natchitoches (north & south sheets)
 1919 Sabine
 1917 St. Martin
 1906 Caddo Shreveport
 1905 Tangipahoa
 1906 Caddo Vivian
 1922 Washington
 1907 Winn

MAINE (all 1:62,500)

1917 Aroostook (north & south sheets)
 1908 Caribou area
 1909 Orono area

MARYLAND (all 1:62,500)

1921 Allegany
 1909 Anne Arundel
 1917 Baltimore
 1918 Charles
 1922 Dorchester
 1907 Easton area
 1922 Garrett
 1923 St. Marys
 1920 Somerset
 1917 Washington
 1921 Wicomico

MASSACHUSETTS (all 1:62,500)

1923 Berkshire
 1920 Norfolk
 1911 Plymouth
 1920 Barnstable
 1920 Bristol
 1922 Worcester (east & west sheets)

MICHIGAN (all 1:62,500)
except *

1922 Berrien
1906 Cass
1922 Kalamazoo
1922 Manistee
1921 Ontonagon *(1:190,000)
1922 Ottawa
1905 Oxford area
1921 St. Joseph
1922 Van Buren
1908 Wexford

MINNESOTA (all 1:62,500)

1906 Blue Earth
1905 Carlton area
1906 Crookston area
1909 Rice (2 copies)

MISSISSIPPI (all 1:62,500)

1910 Adams
1921 Alcorn
1917 Amite
1920 Choctaw
1909 Clay
1918 Covington
1905 Crystal Springs area
1911 Forrest
1922 George
1908 Holmes
1907 Jasper
1910 Lauderdale
1911 Lowndes
1917 Madison
1908 Monroe
1906 Montgomery
1910 Noxubee
1907 Oktibbeha
1918 Pearl River
1922 Perry
1918 Pike
1906 Pontotoc
1907 Prentiss
1909 Scranton area
1920 Smith
1911 Wayne

MISSOURI (all 1:62,500 except *)

1921 Andrew
1909 Atchison
1908 Bates
1921 Caldwell
1910 Cape Girardeau

MISSOURI (continued)

1909 Cedar
1918 Chariton
1920 Cole
1909 Cooper
1905 Crawford
1911 Franklin
1910 Jackson
1917 Knox
1911 Laclede
1920 Lafayette
1917 Lincoln
1911 Macon
1910 Marion
1921 Mississippi
1910 Pemiscot
1911 Platte
1906 Putnam
1922 Ray
1911 Ozark Region Reconnaissance* (1:380,160)
1918 Reynolds
1918 St. Francois
1905 Scotland
1917 Texas

MONTANA (1:62,500)

1905 Gallatin Valley area

NEBRASKA (all 1:62,500 except *)

1921 Antelope
1921 Boone
1922 Burt
1917 Chase
1918 Cheyenne
1922 Cuming
1922 Dawson
1921 Deuel
1920 Howard
1921 Jefferson
1920 Johnson
1906 Lancaster
1920 Madison
1922 Merrick
1917 Morrill
1922 Nance
1907 North Platte area
1920 Pawnee
1921 Perkins
1917 Phelps
1905 Sarpy
1918 Sheridan (north & south sheets)
1917 Wayne
1911 Western Nebraska Recon. *(1:380,160)

NEW HAMPSHIRE (1:62,500)

1906 Merrimack
1909 Nashua area

NEW JERSEY (all 1:62,500)

1917 Belvidere area
1927 Freehold area
1917 Millville area
1911 Sussex area
1921 Trenton area

NEW YORK (all 1:62,500)

1905 Binghamton area
1922 Cayuga
1918 Chenango
1923 Columbia
1907 Dutchess
1922 Genesee
1923 Herkimer area
1911 Jefferson (north & south sheets)
1908 Livingston
1906 Madison
1910 Monroe
1908 Montgomery
1906 Niagara
1910 Ontario
1917 Oswego
1917 Saratoga
1905 Tompkins
1920 Tompkins
1909 Washington (north & south sheets)

NORTH CAROLINA (all 1:62,500)

1917 Beaufort
1918 Bertie
1920 Buncombe
1910 Cabarrus
1917 Caldwell
1923 Camden and Currituck
1908 Caswell
1921 Cherokee
1906 Chowan
1922 Cumberland
1927 Davie
1905 Duplin
1920 Durham
1907 Edgecombe
1909 Gaston
1910 Granville

NORTH CAROLINA (continued)

1920 Guilford
1922 Haywood
1907 Henderson (2 copies)
1918 Hoke (2 copies)
1911 Johnston
1909 Lake Mattamuskeet area
1927 Lenoir
1910 Mecklenburg
1930 Montgomery
*1906 New Hanover
*1921 Onslow
1918 Orange
1905 Perquimans and Pasquotank
1909 Pitt
1923 Polk
1911 Richmond
1908 Robeson
1923 Sampson
1909 Scotland
1906 Transylvania
1920 Tyrrell
1918 Newberry *
1918 Vance
1918 Wilkes

NORTH DAKOTA (all 1:62,500 except *)

1905 Carrington area
△1921 McHenry (north & south sheets)
1907 McKenzie area
1907 Morton area
1906 Ransom
1908 Recon. Western (1:380,000)
1908 Richland
1917 Sargent
1918 Traill
1906 Williston area
△1905 Cooperstown

OHIO (all 1:62,500)

1909 Auglaize
1927 Belmont
1930 Brown
1927 Butler
1923 Clermont
1905 Cleveland area
1922 Fulton
1930 Licking
1917 Mahoning
1906 Meigs
1930 Putnam
1917 Sandusky
1905 Westerville area

OKLAHOMA (all 1:62,500 except *)

1917 Canadian
 1906 Oklahoma
 1930 Texas * (1:125,000)
 1930 Tillman
 1906 Tishomingo area

OREGON (all 1:62,500)

1920 Benton
 1921 Clackamas
 1927 Marion
 1909 Marshfield area
 1911 Medford area
 1922 Polk
 1917 Yamhill

PENNSYLVANIA (1:62,500 except
as noted)

1911 Bedford
 1909 Berks
 1911 Bradford
 1907 Center
 1905 Chester
 1910 Erie
 1921 Greene
 1907 Johnstown area
 1923 Lycoming
 1917 Mercer
 1905 Montgomery
 1911 Recon. Northeastern (1:250,000)
 1909 Recon. Northwestern (1:250,000)
 1910 Recon. South Central (1:250,000)
 1909 Recon. Southwestern (1:250,000)
 1910 Washington

SOUTH CAROLINA (all 1:62,500)

1909 Anderson
 1905 Cherokee
 1910 Clarendon
 1909 Conway area
 1911 Fairfield
 1911 Georgetown
 1921 Greenville
 1918 Horry (western & eastern)
 1907 Lee
 1922 Lexington
 1917 Marlboro
 1918 Newberry
 1907 Oconee
 1909 Saluda
 1921 Spartanburg
 1907 Sumter
 1905 York

SOUTH DAKOTA (all 1:62,500 except *)

1920 Beadle
 1907 Bellefourche area (plus alkali map)
 1923 Douglas
 1922 Grant
 1921 McCook
 1909 Recon. Western South Dakota (1:380,000)
 1921 Union
 1923 Walworth

TENNESSEE (all 1:62,500)

1908 Coffee
 1923 Dickson
 1907 Giles
 1906 Grainger
 1905 Henderson
 1922 Henry
 1906 Madison
 1923 Maury
 1908 Overton
 1909 Sumner

TEXAS (all 1:62,500 except *)

1907 Bastrop
 1918 Bowie
 1907 Brownsville area
 1923 Cameron
 1908 Camp
 1922 Coleman
 1930 Collin
 1907 Cooper area
 1908 Corpus Christi area
 1920 Dallas
 1918 Denton
 1922 Dickens
 1910 Ellis
 1920 Erath
 1908 Franklin
 1918 Freestone
 1930 Galveston
 1909 Grayson
 1922 Harris (east & west sheets)
 1906 Henderson
 1923 Henderson
 1905 Houston
 1906 Laredo area
 1905 Lavaca
 1905 Lee
 1917 Lubbock
 1909 Morris
 1930 Polk
 1930 Randall
 1910 Recon. Central Gulf Coast*(1:380,000)

TEXAS (continued)

1910 Recon. Panhandle (1:380,000)
 1909 Recon. South (1:380,000)
 1911 Recon. Southwest (1:380,000)
 1922 Recon. West Central
 1922 Reeves
 1907 Robertson
 1923 Rockwall
 1906 San Marcos area
 1920 Tarrant
 1909 Titus
 1927 Victoria
 1905 Waco area
 1907 Wilson

UTAH (all 1:62,500)

1920 Ashley Valley area
 1921 Uinta River Valley area

VERMONT

1937 Recon. of Entire State (1:125,000)

VIRGINIA (all 1:62,500)

1917 Accomack
 1909 Campbell
 1906 Chesterfield
 1930 Grayson
 1905 Hanover
 1905 Louisa
 1907 Montgomery
 1917 Northampton
 1927 Orange
 1918 Pittsylvania
 1905 Yorktown area

WASHINGTON (all 1:62,500 except as noted)

1907 Bellingham
 1909 Bellingham (land class)(1:125,000)
 1909 Bellingham (soil map)(1:125,000)
 1907 Bellington area
 1905 Everett area
 1905 Island
 1910 Port Townsend (land class)(1:125,000)
 1910 Olympia (land class)(1:125,000)
 1910 Puget Sound-Olympia (1:125,000)
 1910 Puget Sound-Port Townsend (1:125,000)
 1909 Puget Sound-Seattle (1:125,000)
 1911 Quincy area
 1909 Seattle (land class)(1:125,000)

WASHINGTON (continued)

* **
 1917 Spokane
 1911 Vancouver (land class)
 (1:125,000)
 1918 Wenatchee area
 *1911 Southwest Chehalis(1:125,000)
 **1911 Southwest Vancouver(1:125,000)

WEST VIRGINIA (all 1:62,500)

1917 Barbour and Upshur
 1918 Braxton and Clay
 1910 Clarksburg area
 1927 Hampshire
 1930 Hardy
 1911 Huntington area (north &
 1922 Grant south)
 1923 Mercer
 *1907 Middlebourne area
 1911 Morgantown area
 1920 Nicholas
 1908 Parkersburg area
 1930 Pendleton
 1910 Point Pleasant area
 1909 Spencer area
 1921 Tucker
 1905 Upshur
 1918 Webster
 1906 Wheeling area
 *1922 Mineral

WISCONSIN (all 1:62,500 except *)

1920 Adams
 1910 Bayfield
 1911 Columbia
 1930 Crawford
 1911 Fond du Lac
 1922 Green
 1922 Green Lake
 1910 Iowa
 1918 Jackson
 1911 Juneau
 1911 Kewaunee
 1911 La Crosse
 1909 Marinette (1:190,000)
 1923 Monroe
 1918 Outagamie
 1923 Pierce
 1905 Portage
 1906 Racine
 1917 Rock
 1927 Trempealeau

WISCONSIN (continued)

1920 Walworth
 1921 Washington and Ozaukee
 1910 Waukesha
 1917 Waupaca
 1909 Waushara
 1927 Winnebago

WYOMING (all 1:62,500)

1917 Fort Laramie area
 1927 Shoshone area

WAML Spring Meeting, Menlo Park, Friday, March 30, 1979 - continued from page 308

Speaker	-	Jacquelyn Freeberg, USGS Western Regional Library: "Activities & Services"
Speaker	-	Margaret Deam, USGS Public Inquiries Office: "Activities & Products"
Speaker	-	Gerald Greenberg, NCIC-W: "Activities & Data Acquisitions"
Speaker	-	Moyle Stewart, NCIC: "Technical Services - Activities"
Speakers	-	Moyle Stewart & Mel Baker: "Remote Sensing Imagery - Format, type, applications, equipment needed, inventory controls"
Speakers	-	K. Lea Ginnodo, NCIC-W: "NCIC-Reston & EROS Data Center" Sue Sullivan, NCIC-W: "NCIC-Western"
Tour	-	Western Mapping Center - production facilities
Speaker	-	Dean Edson, WMC: "Current Work at USGS Research - new products"
Speaker	-	Jim Chamberlain, WMC: "Setting program & map production priorities"
Conclusion	-	Lee Aggers

EXHIBITORS (partial list)

Bausch & Lomb (Zoom Transfer Scope)
 Microchart Navigation Systems (nautical charts on microfiche)
 Western Economic Research Co. (census data maps)

DUPLICATE MAPS AVAILABLE

The University of California, Davis, Library Map Collection is offering free the following maps. Preference will be given those enclosing a self-addressed mailing label. Send requests to:

David Lundquist
Map Collection
Shields Library
University of California
Davis, California 95616

- U. S. Bureau of Indian Affairs. Indian lands and communities. 1971. no scale.
- U.S.G.S. States of Massachusetts, Rhode Island and Connecticut, base map. 1971. 1:500,000.
- Portugal. Serviço de Reconhecimento e de Ordenamento Agrario. Carta de capacidade de uso do sola. 1:50,000. Sheets 25c, 36c, 40c.
- Chile. 1955. 1:1,000,000.
- Mexico. 1888-1905. 1:100,000. 10 sheets.
- U.S. Coast and Geodetic Survey. Bathymetric Charts. 1:125,000. East coast sheets. 12 sheets.
- The South Appalacian Region. J.A. Moher & Co. 1890. 5 miles to 1 inch.
- Punnett Bros. Mariposa County, Calif. 1907. 1:100,000 ca.
- U.S. Bureau of Reclamation. Western United States showing location of Bureau of Reclamation projects. 1976.
- Guyana. Lands Dept., Cartographic Division. Map of Guyana. 1971. 1:1,600,000.
- Reclamation District No. 2047. Map of... 1920. 1:63,360.
- Florida Agricultural Experiment Station. General soil map of Florida. 1962. 1:1,000,000.
- Thailand. Royal Thai Survey Dept. Population density map of Asia and the Far East. 4 sheets. 1:5,000,000.
- Australia. Division of Nat'l Mapping. Northern Territory of Australia. Pastoral map. 1976. 1:2,000,000.
- Australia. Division of Nat'l Mapping. Northern Territory of Australia. 1974. 1:2,500,000.
- U.S.G.S. Geologic atlas of the U.S. New Athens-Okawville folio. 1921.
Norfolk folio. 1902.
- Pakistan. Survey of Pakistan. North-west Frontier Province. 1:1,000,000.
- San Joaquin Co. Road map... 1952. 1:63,360.
- Location of irrigated land, 1959: [western states] 18 sheets.
- U.S. Geological Survey. Arizona outline map. 1940 repr. 1946. 1:1,000,000.
Idaho outline map. 1940 repr. 1947. 1:1,000,000.
Utah outline map. 1940 repr. 1946. 1:1,000,000.
- U.S. Forest Service. Lassen Nat'l Forest. 1947. and Calif. Nat'l Forest, 1926.
- U.S. Forest Service. Forest type map, State of Washington. 1936. Repro.
- Annual rainfall, Australia. 1977. 1:10,000,000.
- Colcasieu Parish, Louisiana. 1950?
- U.S.G.S. Manua Is., American Samoa. 1965. 1:24,000.
Tutuila Is., American Samoa. 1970. 1:24,000.

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 Issue No. 3 (Jun. 1979) = pp. 213 - 320 + index pp. 321ff.

Abbreviations: NMWNA = New Mapping of Western North America
 PR = Publications of Relevance
 A R-T = Acquisitions Round-Table
 R R-T = Reference Round-Table

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 161: NMWNA

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 165: relocates in Milwaukee
 261: PR

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 166: News Notes

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 86: New Committee to Establish
 Liaison with USGS/NCIC

Arnow, Ted
 229: News Notes

Atlases - Brief Reviews
 236-237: by Sandra J. Lamprecht

Atlases Cataloged at UCLA, by Anna F.
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Auchincloss, Stuart
 231: News Notes (Map Society of
 California)

Baker, R. P.
 138: News Notes

Basu, Dilip K.
 50: A Review of India in Maps

Batchelder, Robert
 141: contributor to "Duplicate Maps
 & Atlases Available"
 161: contributor to NMWNA
 109-205; 261-272: contributor to PR

Bell, John W. 187-190:
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Bench Marks!
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 167: News Notes (WIU Map Directions)

Blakeley, Mary
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 41-42: "Review of Mary Larsgaard's
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 56-61; 206-209; 256-258: Atlases
 Cataloged at UCLA
 195-205; 261-272: contributor to PR

Boswell, Roy V.
 168: "Publication Wins Award"
 241-255: "The Pacific Ocean ..."
 242: (photograph)

Brown, Edmund G. (Jerry) Jr.
(Governor of California)
222: (photograph)

Bryan, Edwin M. Jr.
212: Bench Marks!

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51-54: Place Name Guides of California: an annotated bibliography
75-76; 296: NMWNA

California. State University.
Fullerton. Library. Special Collections. Collection for the History of Cartography.
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California. University. Los Angeles.
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229: News Notes (Portia Chambliss)

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Cartography of Early Nevada, by Alvin R. McLane
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228: News Notes (USGS)

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229: News Notes

Chiong, Anna
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Cobb, David A.
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Cornelius, Herbert F.
227: News Notes

Cottrell, Linda D.
311: Tentative Program, Fall Meeting, WAML, October 25-27, 1979 (Host)
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Cox, Barbara
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160: contributor to NMWNA
169: News Note (DETENAL)
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20-31: North America in the Cartography of ... , by Ronald F. Lockmann.

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165: News Note

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191-194: RR-T #9

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March 1979: advertisement for his
The Maps of Fiji: a selective and
annotated cartobibliography.
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Hagen, Carlos B.
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20-31: North America in the Cartography of Guillaume Delisle

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309: WAML Nominating Committee Rept.
51-54: Place Name Guides of California: an annotated bibliography, with Edward C. Jestes

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39: Bench Marks!

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237: Bench Marks!

Zar, Kathleen A.

86: New Committee to establish
liaison with USGS/NCIC.



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WESTERN ASSOCIATION OF MAP LIBRARIES**

Catalog of Sanborn Atlases at California State University, Northridge, by Gary W. Rees and Mary Hoerber. 1973. xxi, 122p. LC73-5773. \$4.00. pap. (Occasional paper No. 1)

This catalog covers the largest single collection of historic Sanborn atlases in the Western United States. Photocopies of atlases and individual sheets may be ordered from the library.

Union List of Sanborn Fire Insurance Maps Held by Institutions in the United States and Canada, Vol. 1 (Alabama to Missouri), by R. Philip Hoehn. 1976. xvii, 178p. LC76-6129. \$5.00 pap. (Occasional paper No. 2)

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Union List of Sanborn Fire Insurance Maps Held by Institutions in the United States and Canada, Vol. 2 (Montana to Wyoming; Canada and Mexico), by William S. Peterson-Hunt and Evelyn L. Woodruff. 1977. xv, 201 p. \$6.00. pap. (Occasional paper No. 3)

(Occasional papers No. 2 and 3 when ordered together, \$10.00 for the two)

The Maps of Fiji: a selective and annotated cartobibliography, by Mason S. Green. 1978. xx, 70p. \$4.00. pap. (Occasional paper No. 5) LC78-24066.

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